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ANNUAL REPORT

OF THE

Board of Grain Commissioners for Canada

FOR THE YEAR

1949



OTTAWA
EDMOND CLOUTIER, C.M.G., B.A., L.Ph.,
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BOARD OF GRAIN COMMISSIONERS FOR CANADA

REPORT OF THE BOARD

WINNIPEG, MANITOBA,
January 23, 1950.

Right Honourable C. D. HOWE, M.P.,
Minister of Trade and Commerce,
Ottawa, Canada.

SIR,—We beg to submit herewith the Annual Report of the Board of Grain Commissioners for Canada for the year 1949 in compliance with Section Twenty-three of The Canada Grain Act, 1930.

GENERAL CONDITIONS

Production of all the main cereal grains and flaxseed in 1949 showed an appreciable reduction from the previous year. While there was an increase of nearly three and one-half million acres seeded to wheat, production was twenty-five million bushels less. There was a slight increase in acreage sown to oats, but the barley acreage was nearly one-half million acres less. In rye and flaxseed reductions were approximately one million and one and a half million acres respectively.

	1948		1949	
	Acres	Production (Million)	Acres	Production (Million)
Wheat.....	24,105,900	393.3	27,540,700	367.4
Oats.....	11,200,500	358.8	11,388,900	316.6
Barley.....	6,495,300	155.0	6,016,700	120.4
Rye.....	2,103,100	25.3	1,181,600	10.0
Flaxseed.....	1,876,500	17.7	321,100	2.3

At July 31, 1949, the total carry-over of wheat, oats, barley, rye and flaxseed in Canada amounted to 213,493,356 bushels as compared with 160,170,259 bushels the year before.

Lakehead shipments by vessel during the 1949 season of navigation amounted to 265 million bushels for the five principal grains, an increase of 45.2 millions from the 1948 season. At December 31, 1949, 45.9 million bushels of grain was in store at the Lakehead as compared with 33.8 millions the previous year.

Pacific Coast overseas shipments for the crop year ended July 31, 1949, were 60.7 million bushels compared with 36.9 millions in the previous crop year. During the first five months of the current crop year shipments were 26.8 million bushels compared with 12.4 millions in the same period last year. Stocks at December 31, 1949, were 10 million bushels, all grains.

Churchill shipments during the 1949 shipping season totalled 5,527,53 bushels of wheat, an increase of 213,193 bushels over 1948. At December 31, 1949, only 125,965 bushels remained in store in this port.

STORAGE OF GRAIN—COUNTRY ELEVATORS

The proceedings *re* the improper discharge of grain from a country elevator in contravention of Section 103 of The Canada Grain Act, reported in the last report of the Board, have been concluded. The licensee was convicted and fined one hundred dollars and costs.

On July 29, 1949, the Board made a new Regulation No. 23 entitled, "Applications for Licences and Terms and Conditions under which Licences Issued". One of the provisions of which is, "All grain received for storage at any licensee elevator shall be stored in the building, or buildings, described in the application for licence and not otherwise". In September, 1949, three cases of breaches of this provision were investigated by the Board, and the licensee having admitted the breaches, were ordered by the Board, in accordance with the provisions of Section 81 of The Canada Grain Act, to pay, by way of penalty, the sum of one hundred dollars in each case.

The Board also investigated a complaint regarding the deduction by a country elevator operator of shrinkage on certain grain delivered in excess of the amounts authorized under the Board's Regulation No. 21. The breach of the regulation being admitted, the licensee was ordered by the Board, in accordance with the provisions of Section 85 of the Canada Grain Act, to pay by way of penalty, the sum of twenty-five dollars.

OVERAGES—COUNTRY ELEVATORS

As reported in the Board's Report for 1948, the allowance for invisible loss and shrinkage at country elevators was reduced effective August 1, 1948. The results of the handlings of grain at country elevators during the crop year ended July 31, 1949, show that the total net overages accumulated at 5,132 elevators amounted to only 104,125 bushels or .02% on total handlings of 523,948,766 bushels as compared with 868,753 bushels or .19% on total handlings in the previous crop year. While in the 1947-48 crop year overages were accumulated in all grains except flax and corn, in 1948-49 overages appeared only in oat and barley, which in value were more than offset by shortages in wheat, rye, flax and corn. The results at the different elevators vary very considerably as shown by the following statement:

Number of elevators reporting shortages.....	2,259
Number of elevators reporting neither shortage nor overage.....	52
Number of elevators reporting overages of less than .25%.....	2,239
Number of elevators reporting overages between .25% and .50%.....	466
Number of elevators reporting overages over .50%.....	116
	<hr/> 5,132

The Board is continuing its policy of investigating and warning operators who continue to accumulate excessive overages.

INSPECTION OF GRAIN

In certain sections of the Prairies the unusually low moisture content in wheat of the 1949 crop tended to create, during threshing and subsequent handling, more than the usual amount of broken or split kernels, with the result that difficulty was encountered in August by the terminal elevator operators at the Lakehead in keeping the percentage of broken or split kernels in shipments of Manitoba One Northern down to the three per cent allowed in the export standard for this grade.

7,53 This was a matter of deep concern to the Board, as it is essential that
 r 31 overseas shipments be maintained strictly in accord with the standards estab-
 lished.

On August 29 the Board issued a press and radio release pointing out the prevalence of broken kernels, and urged producers to take all possible precautions during combining or threshing operations to minimize their losses through broken and split grain.

To overcome the difficulty at certain terminal elevators, changes were made by operators in the sieves used for cleaning wheat to reduce the risk of breaking during the cleaning process. In order to make it reasonably possible for the terminal elevators to clean this One Northern wheat to standards required for export, the Board found it necessary on August 30, to amend the grading instruction on primary grading, which permitted the grading as Manitoba One Northern of wheat containing four per cent broken or split kernels, with dockage assessed for the extra one per cent, so that wheat containing over three per cent of broken or split kernels would not be eligible for the grade of Manitoba One Northern. This change caused some loss to operators of country elevators who had, during August, taken in and still held as Manitoba One Northern wheat containing four per cent of split or broken kernels. In order to maintain the quality of exports, however, this could not be avoided.

QUALITY OF SHIPMENTS EX PACIFIC PORTS

In October, 1949, complaint was made by the Cereal Import Committee of the United Kingdom Ministry of Food regarding the low protein content of shipments from Pacific Coast ports as compared with pre-war years when the difference between Atlantic and Pacific shipments was not so marked. The pre-war period was one of very-high-quality crops, due partially to drought conditions, and the difference in quality between Atlantics and Pacifics is much more pronounced when the general quality of the crop is low than when it is high. The shipments complained of were equal in all respects to the export standards for the different grades. Tests by the Board's Research Laboratory indicate that the protein content of shipments from Pacific Coast ports during October, November and December is higher than in August and September.

DIRECT SHIPMENTS OF GRAIN TO EASTERN CANADA

During the War, to obtain the maximum use of the railway cars available, the minimum loads were raised, with the result that the Board's sampling staffs were not always able to procure a proper representative sample from the cars when they were sampled at an inspection point. This applied especially to shipments of feed grains direct from western country points to Eastern Canada under the Freight Assistance Policy.

When peace-time minimum loads were re-established, and on representations to the Board by the officer in charge of the Feeds Administration, it was considered desirable, in order to eliminate any cause for complaint in regard to the quality or seed content of this grain, to take steps to ensure that the grade and dockage of the grain be established at the primary inspection point, there being no facilities for reinspection at the various points of unload.

On April 11, 1949, the Board instructed the Chief Grain Inspector not to give inspection service on cars of grain billed to Eastern Canada direct from the country points if the grain therein was loaded too high to permit of proper representative samples being drawn by the sampling staffs.

While certain shippers protested this ruling, the Board is of the opinion it is in the best interests of the shipper and the consumer.

FEES FOR GRAIN INSPECTION

Effective, August 1, 1949, the fees charged by the Board for the inspection of grain were increased from \$1.00 per car to \$2.00 per car for grain sampled and inspected in carload lots, and from \$1.00 to \$2.00 per thousand bushels for grain inspected on delivery from terminal elevators. This was the first increase since 1920 and was necessitated by increased costs and extension of service in this connection given to producers and grain handlers.

WEIGHING OF GRAIN

A matter of much concern to the Board has been the number of unsatisfactory outturns of cargoes of grain shipped from the Lakehead to elevators in the Eastern Division during 1949. As investigation of the loading records at the terminal elevators at the Lakehead where the grain was weighed by the Board's weighmen failed to uncover any evidence as to the cause of these unsatisfactory outturns, the Board instructed the Chief Grain Weighmaster to detail a special weighing crew to proceed to certain Eastern elevators to check the weighing of grain cargoes by the elevator employees.

While the Board's investigations have not been completed, there is reason to believe that the operational standards vary at different Eastern elevators. Damaged grain left in vessels is not always reported and sufficient attention is not always paid to cleaning up the vessel holds when unloading is completed.

The Board has instructed the Chief Grain Weighmaster to continue to check the weighing of grain at certain Eastern elevators at the beginning of the next season of navigation.

ELEVATOR CHARGES

After considering the submissions made at public meetings held in Toronto, Vancouver and Winnipeg, the Board authorized, effective August 1, 1949, the following increases in the maximum tariffs of charges applicable at elevators licensed under the Canada Grain Act:

COUNTRY ELEVATORS

Elevation charges on oats	from 1½c. to 2c. per bushel
---------------------------	-----------------------------

TERMINAL ELEVATORS at Fort William, Port Arthur, Pacific Coast and Churchill

Elevation charges on wheat, oats, barley and corn	from 1½c. to 2c. per bushel
rye	from 2½c. to 2½c. per bushel
flax	from 3½c. to 3½c. per bushel
mixed grain	from 3½c. to 3½c. per hundred pounds

GOVERNMENT INTERIOR TERMINAL ELEVATORS

Elevation charges on mixed grain	from 1½c. to 2c. per hundred pounds
Storage—Free storage period reduced	from fifteen to ten days

ALL TERMINAL ELEVATORS

Preparing cars for loading when paper is used	from \$6.00 to \$8.00 per car
--	-------------------------------

RETURNS FROM DOCKAGE

Deduction from the return for screenings of 2% of gross weight of shipments of flax assessed dockage of 5½% or more increased to 2½%.

EASTERN ELEVATORS—Georgian Bay and Lower Lake Ports and Upper St. Lawrence Group:

Storage Charge	from 1/30th to 1/25th of one cent per bushel per day
----------------	---

LOWER ST. LAWRENCE GROUP

Elevation Charges

Receiving from single-deck vessels	from \$7.75 to \$8.00 per thousand bushels
Receiving from double-deck vessels	from \$8.75 to \$9.25 per thousand bushels
Receiving from ocean vessels	from \$9.50 to \$10.00 per thousand bushels
Receiving from railway cars	from \$7.50 to \$8.00 per thousand bushels

ATLANTIC PORTS

Elevation Charge

from 1.325c. to 1.375c. per bushel

Country elevator licensees pressed for an increase in the allowance to cover invisible loss and shrinkage in handling which had been reduced at the beginning of the 1948-49 crop year. However, the Board declined to make any increase, but agreed to reconsider the applications when results of the 1948-49 handlings became available. These results show that while an increased number of elevators recorded losses, the total handlings at all country elevators showed an overage of 104,125 or .02% of the total handlings of 523,948,760 bushels, as compared with an overage of 868,753 bushels or .19% of the total handlings of 455,504,276 bushels in the previous crop year, when the allowance was approximately double the allowance now authorized. Licensees have been informed that no change in this allowance will be made for the current crop year, but that the matter will be further discussed at the 1950 tariff meetings.

REGULATIONS OF THE BOARD

The Board's Regulation No. 16, made on October 31, 1947, was amended on March 18, 1949. On July 29, 1949, the Board made a new Regulation No. 23 entitled, "Applications for Licences and Terms and Conditions under which Licences Issued", and effective August 1, 1949, the following regulations were amended and reissued:

No. 16—Fees

No. 18—Procedure—Country Elevators

No. 20—Maximum Tariffs of Charges, Eastern Elevators

No. 21—Maximum Tariffs of Charges, Country Elevators

No. 22—Maximum Tariffs of Charges, Terminal Elevators

LAKE FREIGHT RATES

No changes have been made in the maximum rates for carrying grain by lake and river navigation during 1949, and the maximum rates authorized by the Board's Order No. 18, dated October 13, 1948, are still effective.

AUDIT OF STOCKS TERMINAL AND EASTERN ELEVATORS

In accordance with the provisions of Sections 138 and 138 (a) of The Canada Grain Act, the grain contained in every terminal and Eastern elevator was weighed over by the Board's Weighing Branch during the crop year ended July 31, 1949. These audits did not indicate any excess due to the Crown owing to the transfer of grain from a lower to a higher grade.

ASSISTANT COMMISSIONERS

With the appointment of an Assistant Commissioner for Saskatchewan on March 1, 1949, the Board continued to maintain direct contact with producers and country elevator operators in the Provinces of Alberta and Saskatchewan, but owing to the lack of an Assistant Commissioner it has not been possible to maintain that contact in Manitoba.

While complaints from producers have only totalled fifteen during the year—4 in Alberta, 10 in Saskatchewan and 1 in Manitoba—945 country elevators were inspected by the Assistant Commissioner for Alberta, and 677 by the Assistant Commissioner for Saskatchewan.

CANADIAN GOVERNMENT ELEVATORS

Despite the increased production in 1948 as compared with 1947, the amount of grain handled at the Canadian Government Elevators was considerably less than in the previous crop year. Ample storage space being available at the Lakehead and at Pacific ports, there was no demand for storage at interior points.

Of the total handling at the Canadian Government Elevators, amounting to 3,031,809 bushels, 2,227,743 bushels were handled at the Calgary Elevator. The greater proportion of this grain was barley. The Edmonton Elevator handled 458,078 bushels, but the handlings at the other Elevators at Moose Jaw, Saskatoon and Lethbridge were negligible. No grain was handled at the Prince Rupert Elevator.

The Port Arthur Elevator continues to be operated by McCabe Grain Company, Limited, under lease which expires July 31, 1954.

The net result of operations for the fiscal year ended March 31, 1949, was a deficit of \$222,565.11, as compared with a deficit of \$131,282.90 in the previous fiscal year. This increase is largely due to the upward revision of salary rates.

The installation of dust control equipment at the Port Arthur and Edmonton Elevators has been completed, as well as other structural changes to reduce risks of fire and explosion. Installation of dust control equipment at Calgary is now in progress.

COMMITTEES ON GRAIN STANDARDS

Committees on Grain Standards for the crop year 1949-50 were constituted by the Board in accordance with the provisions of Section 25 of The Canada Grain Act. The Western Committee was convened in Winnipeg on September 29, 1949, and the Eastern Committee at Toronto on August 12 and November 1, 1949. A meeting of the sub-committee of the Western Committee was held in Winnipeg on October 14, 1949.

WHEAT BONUS

During 1949 outstanding wheat bonus certificates in the amount of \$8.95 found to have been improperly issued were cancelled. No certificates were redeemed during 1949. Certificates still outstanding as at December 31, 1949, amount to \$7,746.33.

PRAIRIE FARM ASSISTANCE ACT

The Board has continued to collect one per cent of the purchase price of grain marketed in the three Western Provinces. During the crop year ended July 31, 1949, \$6,628,496.52 was collected, making total collections of \$39,658,298.63 since the inception of this scheme on August 1, 1939.

EXHIBIT AT BRANDON WINTER FAIR

The Board again provided an exhibit at the Manitoba Winter Fair held in Brandon, Manitoba, in April, 1949. This exhibit stressed the work of the Board's Grain Research Laboratory. It attracted wide interest and brought forth much favourable comment.

PERSONNEL

Commissioner Dr. Duncan Alexander MacGibbon completed his second term of office on August 14, 1949, and retired on superannuation after twenty years' effective service. Mr. Roy Wilfred Milner was appointed Commissioner effective January 15, 1950.

Mr. Allan Grant McLean was appointed Assistant Commissioner for Saskatchewan effective March 1, 1949, but no appointment has yet been made to fill the vacant position of Assistant Commissioner for Manitoba.

A number of the senior officers in the Grain Inspection service retired during 1949, as follows:

Mr. Arthur Miller, Chairman of the Winnipeg Grain Appeal Tribunal, after forty-two years' service; replaced by Mr. James Forsyth, Grain Inspector, Grade 4, Winnipeg.

Mr. John Alexander Ross, Grain Inspector in charge, Vancouver, after forty-one years' service; replaced by Mr. Clifford Edwin Struan Robertson, Grain Inspector, Grade 3, Vancouver.

Mr. Bert Corbett, Grain Inspector in charge, Edmonton, after forty years' service; replaced by Mr. Mungo James Conacher, Grain Inspector, Grade 3, Chatham, Ontario.

Mr. William Thornber, Grain Inspector in charge, Montreal, after thirty-six years' service; replaced by Mr. Philip Joseph Smith, Grain Inspector, Grade 3, Montreal.

Mr. Stanley Gifford Thompson, Grain Inspector, Grade 4, Vancouver, proceeded on six months' retiring leave on September 1, 1949, after thirty-eight years' service.

Mr. Frank George Ritchie, Grain Inspector, Grade 4, Fort William, was promoted to the vacant position of Assistant Chief Grain Inspector, and Mr. Quincy Clifford Moffat, Grain Inspector, Grade 2, Winnipeg, took over the duties of Inspector in charge, Chatham, vice Mr. Mungo James Conacher.

EXPENDITURE AND REVENUE

Total expenditure for the fiscal year 1948-49, exclusive of the Canadian Government Elevators, was \$2,218,254.82, compared with \$2,061,040.17 for the previous fiscal year, an increase of \$157,214.65, mainly attributable to increased salary rates.

Revenue amounted to \$1,296,756.22, a decrease of \$107,413.09 from the revenue of \$1,404,169.31 in the previous fiscal year.

Total expenditure for the first nine months of the current fiscal year is \$1,772,602.32, being \$140,993.44 in excess of the expenditure for the same period in the previous fiscal year. Revenue for this period, owing to the increased inspection fees from August 1, totals \$1,719,805.27, as compared with \$1,096,088.56 for the same period in the 1948-49 fiscal year.

Reports of the various branches of the Board are attached for your information.

Respectfully submitted,

D. G. McKENZIE,
Chief Commissioner.

J. VALLANCE,
Commissioner.

APPENDIX No. 1

REPORT OF THE SECRETARY

WINNIPEG, MANITOBA,
January 18, 1950

The Chief Commissioner,
Board of Grain Commissioners for Canada,
Winnipeg, Manitoba.

DEAR SIR,—I have the honour to submit the following memoranda summarizing the different matters handled in the Executive Offices of the Board during the year 1949:

- (a) Complaints
- (b) Prosecutions
- (c) Defaults
- (d) Cars out of turn
- (e) Receipt of wheat into country elevators from railway cars
- (f) Report of Licensing Officer.
- (g) Licences issued
- (h) Grain-loading platforms
- (i) Prairie Farm Assistance Act—one per cent levy
- (j) Statistics
- (k) Annual Weighover—terminal elevators

Yours truly,

J. RAYNER,
Secretary.

(a) COMPLAINTS

COUNTRY COMPLAINTS

During the year ended December 31, 1949, the Board investigated nineteen (19) complaints, including four outstanding as at December 31, 1948, regarding the handling of grain at country elevators, shipments to terminal elevators and the operations of licensees under The Canada Grain Act, as follows:

Manitoba.....	1
Saskatchewan.....	10
Alberta.....	4
Outstanding at December 31, 1948.....	4
	— 19

These were disposed of as follows:

No grounds for complaint.....	9
Settlement effected.....	5
Outside jurisdiction of Board.....	1
Not yet disposed of.....	3
Licensee fined.....	1
	— 19

MISCELLANEOUS COMPLAINTS

Twenty-six (26) complaints were received by the Board in respect to the handling of grain at terminal elevators and shipments to Eastern Canada, together with two complaints outstanding at December 31, 1948. These were disposed of as follows:

	Quality	Shortage	General
No grounds for complaint.....	4	5	3
Settlement effected.....	—	4	2
Outside jurisdiction of Board.....	1	—	—
Not yet disposed of.....	—	9	—
			28

EXPORT SHIPMENTS

Sixteen (16) complaints in respect to overseas shipments were received during the year ending December 31, 1949. These, together with nine (9) complaints outstanding at December 31, 1948, were disposed of as follows:

	Quality	Shortage
No grounds for complaint.....	5	6
Settlement effected.....	—	9
Not yet disposed of.....	—	5
		25

(b) PROSECUTIONS

The prosecution for a breach of the provisions of Section 103 of The Canada Grain Act reported last year has now been concluded, and the defendant convicted and fined one hundred dollars.

(c) DEFAULTS

During the year 1949 there was submitted to the Board one claim in the amount of \$50.50 in respect of non-settlement for two cash tickets issued by a licensee since gone into bankruptcy. This claim was referred by the Board to the bonding company and settlement received under the terms of the bond filed with the Board by the licensee.

(d) CARS OUT OF TURN

During the year 1949, 45 out-of-turn cars were ordered by the Board under the provisions of Section 68 (2) of The Canadian Grain Act, as follows:

Grain out of condition.....	35
Elevators in danger of collapse.....	10
	45

(e) RECEIPT OF WHEAT INTO COUNTRY ELEVATORS
FROM RAILWAY CARS

Under the provisions of Section 107 (a) of The Canada Grain Act, the Board authorized the receipt of wheat from railway cars into country elevators in a total of 448 cars.

(f) REPORT OF LICENSE AND BONDING BRANCH

The Secretary,
Board of Grain Commissioners,
Winnipeg, Manitoba.

DEAR SIR,—I have the honour to submit the following report of the License and Bonding Branch for the year 1949.

During the crop year which commenced on August 1, 1948, and ended on July 31, 1949, one hundred and thirty-six (136) firms and individuals applied for licences as required by the provisions of The Canada Grain Act.

Five thousand, five hundred and ninety-three (5,593) applications for licences to operate were received and five thousand, four hundred and eighty-one (5,481) licences were issued. One hundred and four (104) licences were transferred and eight (8) applications were withdrawn for various reasons.

APPLICATIONS RECEIVED AND LICENCES ISSUED

Kind	Applications		Licences	
	Received	Withdrawn	Issued	Transferred
Track Buyers.....	27	1	26	.....
Commission Merchants.....	33	1	32	.....
Grain Dealers.....	13	1	12	.....
Public Terminal Elevators.....	6	.....	6	.....
Semi-Public Terminal Elevators.....	32	1	31	.....
Private Terminal Elevators.....	7	.....	7	.....
Eastern Elevators.....	29	.....	29	.....
Mill Elevators.....	43	.....	43	.....
Private Country Elevators.....	10	.....	10	.....
Public Country Elevators.....	5,289	4	5,285	.....
Transfers.....	104	.....	.....	104
	5,593	8	5,481	104

The total licensed storage capacity as at July 31, 1949, was 489,182,270 bushels; elevators proper and permanent annexes comprising 418,163,520 bushels and temporary annexes 71,018,750 bushels; 5,395 elevators being licensed at that date.

One grain dealer's, one mill and fourteen public country elevator licences were cancelled by the Board during the 1948-49 crop year; two due to the fact that the licensees ceased operations, two on account of the buildings having been destroyed by fire, seven because the elevators were demolished, and five for the reason that the buildings were sold to but not operated by new owners.

Eight (8) licences were suspended by the Board during the crop year 1948-49. Of these, six were suspended because of repairs being necessary at licensed elevators but were reinstated in due course after the buildings had been repaired, and two on account of defective receiving scales.

License fees collected during the crop year 1948-49 amounted to \$29,029.00 of this amount, \$60.00 was refunded to applicants who withdrew their applications for licences.

The collections of the one per centum levy made under the provisions of The Prairie Farm Assistance Act for the crop year 1948-49, as recorded at this office, were \$6,628,496.52. The total collections from August 1, 1939, to July 31, 1949, amounted to \$39,658,298.63.

Guarantee bonds in the amount of \$27,067,511.50, executed by seventeen (17) of the approved surety companies, were deposited with the Board as security under Section 79 of The Canada Grain Act to cover the operations of the licensees during the crop year 1948-49. In addition, six (6) licensees deposited negotiable Government bonds with a par value of \$26,500.00 in lieu of furnishing the usual forms of surety bonds.

During the first four months of the 1949-50 crop year, which commenced on August 1, 1949, 5,289 applications for licences were received and 5,266 licences issued.

At December 1, 1949, there were 5,621 buildings classed as elevators under the provisions of The Canada Grain Act, 5,591 in the Western Division and 30 in the Eastern Division, 5,197 being licensed at that date. These buildings and

their storage capacities, together with several summarizing statements and other relative information, are listed in the publication entitled "List of Grain Elevators in the Western and Eastern Divisions."

The total licensed storage capacity as at December 1, 1949, was 489,892,770 bushels, permanent storage space amounting to 419,660,020 and temporary storage 70,232,750. Four hundred and twenty-four elevators, with a combined storage of 23,350,500, were not in operation at that date.

The one per centum levy collected during the first three months of the 1949-50 crop year amounted to \$5,872,684.79; the total collected since August 1, 1939, to December 1, 1949, being \$45,530,983.42.

Respectfully submitted,

C. F. SPITTLE,

Licensing Officer.

(g) STATEMENT SHOWING NUMBER AND KIND OF LICENCES ISSUED DURING THE SEASONS
1905-06; 1911-12; 1917-18; 1930-31 and 1933-34 to 1948-49

Kind	1948- 1949	1947- 1948	1946- 1947	1945- 1946	1944- 1945	1943- 1944	1942- 1943	1941- 1942	1940- 1941	1939- 1940	1938- 1939	1937- 1938	1936- 1937	1935- 1936	1934- 1935	1933- 1934	1930- 1931	1917- 1918	1911- 1912	1905- 1906
Public Country Elevators.....	5,285	5,352	5,412	5,470	5,524	5,540	5,579	5,605	5,614	5,622	5,418	4,641	5,234	5,528	5,302	5,504	5,500	3,577	1,972	1,099
Private Country Elevators.....	10	10	10	7	6	6	6	6	6	6	7	13	11	12	13	14	385	.....	.....	.....
Public Terminal Elevators.....	6	6	6	6	6	6	6	6	6	6	5	3	6	6	7	7	8	17	.....	.....
Semi-Public Terminal Elevators.....	31	31	34	37	37	38	39	39	39	38	34	30	33	38	39	38	35	.....	*34	*10
Private Terminal Elevators.....	7	7	7	8	8	8	8	9	10	13	38	40	39	36	37	37	40	120	.....	.....
Eastern Elevators.....	29	29	29	30	30	31	30	30	31	30	29	29	29	31	31	30	29	118	.....	.....
Mill Elevators.....	43	43	43	39	39	38	35	34	38	38	15	17	15	19	19	21	25	.....	.....	.....
Elevator Space.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Track Buyers.....	26	28	27	27	29	31	31	31	33	36	38	40	40	41	46	51	48	156	123	.....
Commission Merchants.....	32	35	35	36	36	39	38	38	39	43	47	47	48	51	56	61	57	126	84	.....
Grain Dealers.....	12	13	15	11	14	15	17	18	21	24	23	19	17	24	25	20	3	.....	.....	.....
Total Number Issued.....	5,481	5,554	5,618	5,671	5,729	5,752	5,789	5,816	5,837	5,856	5,654	4,879	5,472	5,786	5,575	5,783	6,130	3,921	2,271	1,109

† Licensed as Private Elevators.

‡ Licensed as Public Elevators.

* Licensed as Terminal Elevators.

During the year 1949, no applications for the building of grain-loading platforms or the enlargement of existing ones were made to the Board.

Province	Number of Platforms	Car Capacity
Manitoba.....	597	1,428
Saskatchewan.....	1,264	2,697
Alberta.....	724	1,428
British Columbia.....	33	75
Ontario.....	18	37
Total as at December 1, 1949.....	2,636	5,659

PROVINCE	WHEAT		OATS		BARLEY		RYE		TOTAL LEVY
	Bushels	Levy	Bushels	Levy	Bushels	Levy	Bushels	Levy	
		\$ c.		\$ c.		\$ c.		\$ c.	\$ c.
Manitoba.....	39,938,708	719,061 04	20,788,527	136,354 61	23,872,746	247,196 49	1,461,472	18,129 13	1,120,741 27
Saskatchewan.	163,497,984	2,849,778 59	39,345,096	249,746 15	23,278,913	225,025 02	7,472,229	92,920 21	3,417,469 97
Alberta.....	97,794,103	1,632,981 04	24,829,095	147,061 66	23,360,121	215,009 89	7,436,488	89,035 93	2,084,088 52
	301,230,795	5,201,820 67	84,962,718	533,162 42	70,511,780	687,231 40	16,370,189	200,085 27	6,622,299 76
					Mixed Grain—Saskatchewan.....				10 89
					Adjustments not allocated.....				6,185 87
					Collections—August 1, 1948 to July 31, 1949.....				6,628,496 52
					Collections—August 1, 1939 to July 31, 1948.....				33,029,802 11
					Total Collections to July 31, 1949.....				39,658,298 63

308 GRAIN EXCHANGE,
FORT WILLIAM, ONT.,
January 20, 1950.

MR. J. RAYNER, Secretary,
Board of Grain Commissioners,
Winnipeg, Man.

DEAR SIR,—I beg to submit the following report for the Statistics Branch for the 1948-49 Crop Year.

Canadian Wheat production in 1949, estimated by the Dominion Bureau of Statistics at 367·4 million bushels, is down from the 1948 Wheat harvest (393·3 millions) and the previous five year average (376·8 million bushels).

The total 1949 Canadian acreage seeded to Wheat (27.5 million acres) was, with one exception, the largest ever recorded for this country. In 1940 Canada's Wheat acreage reached a high point of 28.7 million acres.

Generally adverse weather conditions in Canada in 1949 reduced the Wheat yield per acre to 13.3 bushels from the higher 16.3 bushels reported for the previous year and the past five year norm of 15.8 bushels.

Canadian 1949 crop outturns for all principal coarse grains and Flaxseed were appreciably lower than 1948 harvests, indicated in brackets—Oats, 316.6 (358.8); Barley, 120.4 (155.0); Rye, 10.0 (25.3) and Flaxseed, 2.3 (17.7) million bushels.

Year end grain stocks as at July 31, 1949 were estimated as follows, with 1948 quantities indicated in brackets—Wheat, 101.4 (77.7); Oats, 60.5 (47.9) Barley, 29.9 (31.4); Rye, 11.9 (0.9) and Flaxseed, 10.7 (3.4) million bushels.

The following quantities of grain were disposed of during the year and were either consumed on Canadian farms, sold in the domestic market or exported to other countries—Wheat, 369.6; Oats, 346.2; Barley, 156.6; Rye, 14.3 and Flaxseed, 10.4 million bushels.

Detailed statistical tables on production, distribution and carry-over data are appended to this report.

FARM DELIVERIES

During the 1948-49 Crop Season, a total of 294.0 million bushels of Wheat were marketed from Western farms. Farm Wheat deliveries in the Crop Year of 1947-48 amounted to 246.6 million bushels and a previous five-year average was recorded at 299.8 millions.

WESTERN FARM WHEAT DELIVERIES SEASON 1948-49

—	Manitoba	Saskatchewan	Alberta and British Columbia	Total Deliveries		
				1948-49	1947-48	5 year Average 1943-44 to 1947-48
	net bu.	net bu.	net bu.	net bu.	net bu.	net bu.
<i>Delivered to:</i>						
Country Elevators.....	39,157,439	157,874,101	94,045,353	291,076,893	243,538,985	296,139,465
Interior Private and Mill Elevators.....	266,734	909,559	1,365,029	2,541,322	2,738,283	3,149,053
Interior Terminal Elevators (Street Receipts).....		48	29,757	29,805	2,938	4,627
Loaded over Platforms...	153,655	49,973	109,574	313,202	319,244	549,185
¹ From Farms direct to U.S.A. by Truck.....	17,004	7,762	782	25,548	2,465	2,792
Total.....	39,594,832	158,841,443	95,550,495	293,986,770	246,601,915	299,845,122
Production (Gross).....	57,000,000	191,000,000	117,459,000	² 365,459,000	317,966,000	³ 335,057,600
² Percentage — Deliveries to Production.....	71.29%	85.35%	83.34%	82.51%	79.44%	91.70%

¹Dominion Bureau of Statistics—Customs Clearance.

²Calculated on a net Production basis.

³Includes Production figures for British Columbia.

LAKE TRANSPORTATION

The season of navigation was opened at the Lakehead on April 6, 1949 with the arrival of the S.S. "George Hindman." April 19 was the season's opening date last year and March 27, 1945 is the earliest recorded spring arrival at the Twin City Ports.

The S.S. "Saskatoon," the last grain boat to leave the Lakehead at the close of the 1949 navigation season cleared the harbour on December 12.

Vessel clearances from the Lakehead for the five principal grains during the 1949 season of navigation (265.0 million bushels) showed an increase of 45.2 millions over 1948.

Vessel cargoes of Wheat for the current season totalling 164.4 million bushels were 31.0 million bushels higher than 1948 lake shipments.

Average vessel clearances for all five chief grains during the previous five seasons of navigation amounted to 330.9 million bushels and for Wheat only were recorded at 219.3 million bushels.

Combined Lake and Rail shipments from Fort William-Port Arthur Terminals during the 1948-49 Crop Year amounted to 305.2 million bushels for the principal grains, compared with 252.0 millions reported for the 1947-48 Crop Season.

Total grain Lake and Rail shipments for the first five months of the 1949-50 Crop Year reached a total of 168.6 million bushels. Rail shipments made up 10.7 millions of the amount.

FREIGHT RATES

Maximum lake freight rates for the 1949 season remained unchanged at levels established by the Board during October of last year.

As indicated in the table below, however, 1949 season's average rates were higher than those of 1948.

WEIGHTED MONTHLY AVERAGE OF LAKE FREIGHT RATES FOR WHEAT
CARGOES SEASON OF NAVIGATION—1949

Fort William-Port Arthur to	Georgian Bay Ports	Port Colborne and Humber- stone	Toronto	Kingston	Prescott	St. Lawrence Ports Direct
Month—	c. per bu.	c. per bu.	c. per bu.	c. per bu.	c. per bu.	c. per bu.
April.....	4.5	6.0	6.5	.....	.....	12.5
May.....	4.5	6.0	6.5	.....	.....	12.5
June.....	4.5	6.0	6.5	.....	7.25	12.5
July.....	4.5	6.0	.....	.....	7.25	12.5
August.....	4.5	6.0	6.5	.....	7.25	12.5
September.....	4.5	6.0	6.5	.....	7.25	12.5
October.....	4.5	6.0	6.5	.....	7.25	12.5
November.....	4.5	6.0	.....	.....	7.25	12.5
December.....	.....	6.0	.....	.....	.....	.....
Season Averages—						
1949.....	4.5	6.0	6.5	.....	7.25	12.5
1948.....	4.268	5.723	6.208	7.716	6.75	11.355

Freight rates on Lake shipments of Wheat to Buffalo from the Lakehead during the 1949 season ranged from 7c. (Can. and U.S.) per bushel from April to July, to 5c. (U.S.) per bushel through September, October and the first part of November. These rates moved up to 7c. (U.S.) per bushel in the latter part of November and advanced again to 9c. (U.S.) in December.

One vessel cargo of Wheat cleared for Duluth in April and carried a freight rate of 4c. (Can.), while one Wheat shipment was made to Chicago during November at 7½c. (U.S.) per bushel.

INLAND WATER FREIGHT RATES ACT

Copies of vessel charter confirmations for all lake grain cargoes shipped from the Lakehead during the 1949 season of navigation were filed by shippers with this office, in accordance with provisions of the "Inland Water Freight Rates Act, 1923" as amended.

Monthly data on weighted lake freight rates have been prepared for release to those interested in these returns.

EXPORT CLEARANCES

Export clearances of Canadian Wheat and Wheat flour (in terms of Wheat equivalent) for the 1948-49 Crop Year amounted to 232.3 million bushels, compared with smaller shipments reported last year (195.0 millions).

The delivery of Canadian Wheat to the United States for Domestic consumption in 1948-49 increased sharply to the 5.3 million bushel level from some 134,000 bushels imported into the United States during the previous 1947-48 Crop Season.

Canadian Wheat flour exports in 1948-49, however, formed a smaller part of the combined Wheat and Wheat flour total shipments. Wheat flour exports during 1948-49 amounted to 48.1 million bushels in terms of Wheat equivalent, compared with 61.5 millions in the previous Crop Season.

Average exports of Canadian Wheat and Wheat flour during the previous five years—1943-44 to 1947-48, inclusive, were as follows—Wheat, 227.7 and Wheat flour 65.2 million bushels.

The bulk of the ocean wheat tonnage, about 57.8 per cent moved through Canadian Atlantic Seaboard ports. Wheat cargoes at the Canadian Pacific and United States Atlantic Coast ports accounted for 33.7 per cent and 5.5 per cent, respectively, of the total ocean wheat traffic. Port of Churchill shipments during the 1948-49 Crop Year (5.3 million bushels) represented about 3 per cent of the overseas wheat clearance total.

Further data on Canadian grain exports are contained in tables in the appendix to this report.

INSURANCE

During the Crop Year 1948-49, in store grain insurance policies were filed with this office by Public Country, Semi-Public and Eastern Elevator licensees, in accordance with provisions of Section 102 of the Canada Grain Act 1930, as amended, and related orders-in-council and regulations.

These insurance documents were carefully scrutinized to verify that they conformed to policy requirements for the protection of the owners of stored grain.

PRICES

Grain price records for the principal grain markets were maintained in compliance with Section 21 of the Canada Grain Act during the Crop Season.

A summary of Canadian Cash grain prices for 1948-49 in table form is appended.

MISCELLANEOUS

At the request of the Board, a special study of the clerical functions of the Lakehead branches was made during the year with a view to securing the closest possible co-ordination of office paper work responsibilities assumed by Board offices.

Respectfully submitted,

A. T. CALDER,

Chief Statistician.

CARRY-OVER OF CANADIAN WHEAT—JULY 31, IN BUSHEL

	1947	*1948	1949
	bu.	bu.	bu.
On Farms—Estimated.....	25,988,000	39,162,000	42,423,000
In Country, Private Terminals and Mill Elevators.....	23,876,786	16,710,908	18,841,225
In Public and Semi-Public Terminal Elevators.....	10,072,470	9,914,422	10,156,932
In Store and Afloat Eastern Elevators.....	16,886,727	6,284,943	20,735,093
In Eastern Flour Mills.....	2,750,196	1,543,124	2,764,454
In Transit Rail—East and West.....	7,720,905	4,060,361	6,422,043
In Store and in Transit in the United States.....	87,000	34,652	68,494
Total.....	87,382,084	77,710,410	101,411,241

Crops of 1948 and Disposition	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Carry-over 31 July, 1948.....	77,710,410	47,891,059	31,449,460	903,746	3,371,226
Production—All Canada.....	393,345,000	358,807,000	155,018,000	25,340,000	17,683,000
Total Available Supply.....	471,055,410	406,698,059	186,467,460	26,243,746	21,054,226
Total Disposed of.....	369,644,169	346,191,455	156,593,131	14,325,853	10,362,073
Carry-over July 31, 1949.....	101,411,241	60,506,604	29,874,329	11,917,893	10,692,153
Total.....	471,055,410	406,698,059	186,467,460	26,243,746	21,054,226

EXPORTS

1948-49.....	184,235,311	21,427,004	21,729,804	10,239,210	4,413,049
Wheatflour, Oatmeal, etc., equivalent to.....	48,094,024	1,792,630			
Total.....	232,329,335	23,219,634	21,729,804	10,239,210	4,413,049
1947-48.....	133,505,264	5,413,650	2,678,679	10,226,258	1,787,612
Wheatflour, Oatmeal, etc., equivalent to.....	61,477,079	4,788,387			
Total.....	194,982,343	10,202,037	2,678,679	10,226,258	1,787,612

*Revised.

SUMMARY OF PRODUCTION OF GRAIN IN WESTERN CANADA IN 1948, PRIMARY
MARKETINGS BY PRODUCERS AND TOTAL INSPECTIONS,
CROP YEAR 1948-49

(a) PRODUCTION

	Wheat (All Varieties)	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Manitoba.....	57,000,000	60,000,000	45,000,000	1,950,000	9,040,000
Saskatchewan.....	191,000,000	89,000,000	42,000,000	10,500,000	4,740,000
Alberta and British Columbia.....	117,459,000	78,456,000	55,485,000	9,919,000	3,074,000
Total.....	365,459,000	227,456,000	142,485,000	22,369,000	16,854,000

(b) PRIMARY MARKETINGS AT COUNTRY ELEVATORS

Manitoba.....	39,157,439	20,745,099	23,541,236	1,571,259	7,995,888
Saskatchewan.....	157,874,101	39,638,389	22,955,850	7,957,056	4,356,351
Alberta.....	94,045,353	24,406,854	23,168,561	7,879,691	2,567,700
Total.....	291,076,893	84,790,342	69,665,647	17,408,006	14,919,939

OVER PLATFORMS

Manitoba.....	153,655	56,386	147,728	1,562	15,290
Saskatchewan.....	49,973	21,641	4,360	1,547	9,360
Alberta.....	109,574	271,242	70,153	15,918	1,690
Total.....	313,202	349,269	222,241	19,027	26,340

AT INTERIOR PUBLIC AND SEMI-PUBLIC TERMINALS

Manitoba.....	2,595	2,946			
Saskatchewan.....	48	8,996	10,029		49,810
Alberta.....	29,757	196,318	48,432		1,948,000
Total.....	29,805	207,909	61,407		2,430,000

AT INTERIOR PRIVATE AND MILL ELEVATORS

Manitoba.....	266,734	108,027	78,896		134,910
Saskatchewan.....	909,559	45,304	59,634	22,061	8,310
Alberta.....	1,365,029	422,847	159,297	53,132	70,165
Total.....	2,541,322	576,178	297,827	75,193	213,390

*TRUCKED FROM FARMS INTO U.S.A.

Manitoba.....	17,004	352	2,702		3,610
Saskatchewan.....	7,762	102	850		
Alberta.....	782	276	1,129	50	
Total.....	25,548	730	4,681	50	3,610

(a) Production represents gross production estimate by Dominion Bureau of Statistics.

(b) Primary Marketings—Points in Ontario west of Fort William are included in Manitoba figures, country points in the Peace River Valley situated in British Columbia are included in Alberta figures.

(c) Inspections—These are compiled according to Provinces in which grain was grown on an estimate average net bushel outturn weight per car.

* Customs returns—Dominion Bureau of Statistics.

SUMMARY OF PRODUCTION OF GRAIN IN WESTERN CANADA IN 1948, PRIMARY
MARKETINGS BY PRODUCERS AND TOTAL INSPECTIONS,
CROP YEAR 1948-49—*Concluded*

TOTAL MARKETED

—	Wheat (All Varieties)	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Manitoba.....	39,594,832	20,912,459	23,773,508	1,572,821	8,149,706
Saskatchewan.....	158,841,443	39,714,432	23,030,723	7,980,664	4,374,514
Alberta.....	95,550,495	25,297,537	23,447,572	7,948,791	2,641,512
Total.....	293,986,770	85,924,428	70,251,803	17,502,276	15,165,732

(c) INSPECTIONS

—	Wheat	Oats	Barley	Rye	Flaxseed
	bu.	bu.	bu.	bu.	bu.
Manitoba.....	36,559,363	17,674,108	21,397,729	1,391,184	6,780,397
Saskatchewan.....	159,759,424	36,643,472	23,104,357	8,137,831	6,119,622
Alberta and British Columbia	89,050,209	20,263,473	18,048,357	6,288,290	2,572,485
Total.....	285,368,996	74,581,053	62,550,443	15,817,305	15,472,504

TOTAL PRIMARY GRAIN HANDLINGS AT EASTERN ELEVATORS, 1948-49

CANADIAN GRAIN

—	Wheat	Oats	Barley	Rye	Flaxseed
	net bu.	net bu.	net bu.	net bu.	net bu.
Receipts.....	164,589,946	27,917,426	25,561,930	5,816,658	10,685,407
Shipments.....	150,714,814	27,679,398	27,213,354	3,948,381	7,134,147
	Canadian Corn	Canadian Buckwheat	Canadian Beans	Canadian Peas	Mixed Grain
	net bu.	net bu.	net bu.	net bu.	net bus.
Receipts.....	2,016,367	43,590	524,293	.....	16,883,000
Shipments.....	1,848,835	33,380	539,755	4,358	10,566,166

UNITED STATES GRAIN

—	Wheat	Oats	Barley	Rye	Corn	Beans
	net bu.	net bu.	net bu.	net bu.	net bu.	net bu.
Receipts.....	172,744	2,626,990	534,807	.....	6,919,860	291,207
Shipments.....	280,688	2,621,730	450,106	13,399	6,755,384	291,124

FOREIGN GRAIN (OTHER THAN U.S.A.)

Receipts.....	Nil
Shipments.....	Nil

IMPORTS OF FOREIGN GRAIN FOR CANADIAN DOMESTIC CONSUMPTION

(AMOUNTS MOVED FROM ELEVATORS INTO DOMESTIC CHANNELS) 1948-49

—	U.S.A. Wheat	U.S.A. Oats	U.S.A. Barley	U.S.A. Rye	U.S.A. Corn	U.S.A. Beans
	net bu.	net bu.	net bu.	net bu.	net bu.	net bu.
Via Eastern Elevators.....	280,688	140,954	31,980	13,399	3,266,161	62,788
Fort William-Port Arthur.....	.....	.....	.....	.....	95,647	.....
Interior Private Terminals.....	.....	.....	.....	9,460	499,172	.....
Pacific Coast Terminals.....	.....	.....	.....	.....	3,860	.....

PRIMARY RECEIPTS AND SHIPMENTS AT TERMINAL ELEVATORS,
CROP YEAR 1948-49

—	Wheat	Oats	Barley	Rye	Flaxseed
	net bu.	net bu.	net bu.	net bu.	net bu.
<i>Fort William-Port Arthur—</i>					
Receipts.....	169,360,001	56,210,681	48,193,474	15,308,519	14,891,
Shipments.....	173,461,727	59,755,191	49,187,718	12,606,906	10,169,
<i>Vancouver-New Westminster—</i>					
Receipts.....	65,724,582	1,934,650	402,216	174,572	
Shipments.....	61,805,049	3,160,159	523,967	133,467	
<i>Victoria, B.C.—</i>					
Receipts.....					
Shipments.....					
<i>Prince Rupert, B.C.—</i>					
Receipts.....					
Shipments.....					
<i>Churchill, Man.—</i>					
Receipts.....	5,573,647	463			
Shipments.....	5,314,342	24,857			
<i>Semi-Public Terminal at North Transcona, Man.—</i>					
Receipts.....	240,291	251,247	150,013	5,280	1,
Shipments.....	242,830	264,724	150,649	5,280	2,
<i>Kenora, Ont.</i>					
Receipts.....					
Shipments.....					

TOTAL NET HANDLINGS CANADIAN GRAIN AT CANADIAN GOVERNMENT
INTERIOR TERMINAL ELEVATORS, CROP YEAR 1948-49

—	Wheat	Oats	Barley	Rye	Flaxseed
	net bu.	net bu.	net bu.	net bu.	net bu.
<i>Receipts—</i>					
Calgary.....	347,844	77,024	1,763,747	20,761	1,
Edmonton.....	140,037	269,190	36,032		
Lethbridge.....	8,574		235		57,
Moose Jaw.....	3,182	29,545	64,465	3,335	2,
Saskatoon.....	14,034	13,097			137,
Total.....	513,671	388,856	1,864,479	24,096	200,
<i>Shipments—</i>					
Calgary.....	335,551	123,637	1,820,175	6,542	1,
Edmonton.....	198,311	301,459	60,236		
Lethbridge.....	9,527	429	233		57,
Moose Jaw.....	3,182	31,143	77,903	3,377	2,
Saskatoon.....	20,646	13,907			183,
Total.....	567,217	470,575	1,958,547	9,919	246,

CANADIAN GRAIN HANDLED AT DULUTH-SUPERIOR

(INCLUDING DUTY-PAID IMPORTS)

—	Wheat	Oats	Barley	Rye	Flaxseed
	net bu.	net bu.	net bu.	net bu.	net bu.
Receipts.....	111,815	140,714	1,135,474	1,452,383	
Shipments.....	111,815	140,714	1,431,379	1,452,383	

ANALYSIS OF CANADIAN WHEAT EXPORTS, BY MONTHS AND SEABOARD SECTOR—CROP YEAR 1948-49

Month	Via Canadian Pacific Seaboard Ports	Via Canadian Atlantic Seaboard Ports	Via Churchill	Via U.S.A. Atlantic Seaboard Ports	U.S.A. Imports ²		Milling in Bond	Total All Wheat	Wheat Flour ³	Total Wheat and Wheat Flour
					For Human Con- sumption Duty-paid	Unfit for Human Con- sumption				
1948	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.	bu.
August.....	1,207,733	5,908,654	1,994,983	.....	1,200	58	.....	9,112,628	4,244,184	13,356,812
September.....	1,377,600	6,456,602	2,720,614	.....	3,222	67	.....	10,558,105	3,670,461	14,228,566
October.....	2,066,400	8,456,646	598,745	443,873	550	37	.....	11,566,251	6,509,079	18,075,330
November.....	3,388,032	11,490,719	.....	725,367	5,152	375	.....	15,609,645	5,455,031	21,064,676
December.....	4,390,397	4,520,905	.....	3,832,911	8,350	.....	.....	12,752,563	3,803,274	16,555,837
1949										
January.....	7,560,713	4,072,642	.....	2,797,830	22,064	.....	.....	14,453,249	3,756,334	18,209,583
February.....	5,324,427	5,383,647	.....	1,344,837	20,344	.....	22,541	12,095,796	3,082,127	15,177,923
March.....	6,381,793	6,795,473	.....	628,658	30,099	17	176,312	14,012,352	3,612,042	17,624,394
April.....	6,731,088	7,037,788	.....	.....	161,726	1,500	705,706	14,637,808	3,367,710	18,005,518
May.....	7,544,489	14,938,841	.....	.....	301,088	5,700	1,073,837	23,863,925	3,779,829	27,643,754
June.....	8,630,282	14,655,737	.....	11,000	763,360	2,000	1,134,192	25,196,571	3,224,506	28,421,077
July.....	5,748,095	13,803,619	.....	9,000	73,830	15,000	726,874	20,376,418	3,589,447	23,965,865
Total Crop Year 1948-49.....	60,351,049	103,521,273	5,314,342	9,793,476	1,390,955	24,754	3,830,402	184,235,311	48,094,024	232,329,335
Total Crop Year 1947-48.....	36,069,176	76,602,170	4,975,753	15,724,605	5,495	117,334	10,731	133,505,264	61,477,079	194,982,343
5-Year Average: 1943-44 to 1947-48.....	33,774,848	104,204,638	1,580,926	44,957,094	33,375,019	3,393,967	6,396,894	227,683,386	65,246,456	292,929,842

¹ Monthly grand totals include exports of Canadian Wheat Flour.² Source—United States Department of Commerce, Bureau of the Census.³ Canadian Customs Returns.

ANALYSIS OF CANADIAN GRAIN OVERSEAS EXPORTS, BY GRADE
AND SEABOARD SECTOR, CROP YEAR 1948-49

Grade	Via Canadian Pacific Seaboard Ports	Via ¹ Canadian St. Lawrence —Atlantic Seaboard Ports	Via United States Atlantic Seaboard Ports	GRAND TOTALS
	bu.	bu.	bu.	bu.
<i>Wheat</i> (All Varieties)—				
1 Manitoba Hard.....	18,754,766	40,947,701	6,761,816	66,464,300
1 Manitoba Northern.....	14,879,894	44,744,422	2,942,065	62,566,381
2 Manitoba Northern.....	14,930,716	3,013,205		17,943,921
3 Manitoba Northern.....	6,154,361	1,973,157	89,595	8,217,113
4 Manitoba Northern.....		295,750		295,750
4 Special.....		7,467		82,114
No. 5.....	74,667			667,000
Tough 2 Manitoba Northern.....		667,839		1,220,535
Tough 3 Manitoba Northern.....		1,220,535		51,000
Tough 4 Manitoba Northern.....		51,000		126,762
Sample.....	32,093	126,762		
1 C.W. Garnet.....	67,951			67,951
2 C.W. Garnet.....	1,019,947	280,317		1,300,264
3 C.W. Garnet.....	2,770,805	50,557		2,821,362
1 Alberta Red Winter.....	1,062,657			1,062,657
2 Alberta Winter.....	479,992	25,268		505,260
3 Alberta Winter.....	123,200			123,200
Seed Wheat.....		639,210		639,210
Eastern Wheat.....		3,743,522		3,743,522
1 C.W. Amber Durum.....		31,960		31,960
2 C.W. Amber Durum.....		2,305,345		2,305,345
3 C.W. Amber Durum.....		8,660,235		8,660,235
Tough 3 C.W. Amber Durum.....		51,363		51,363
Total.....	60,351,049	108,835,615	9,793,476	178,980,140
<i>Oats</i> —				
Ex. 3 C.W.....		73,822		73,822
3 C.W.....	21,470	1,668,803		1,690,273
Ex. 1 Feed.....	34,471			34,471
1 Feed.....	32,941	732,647		765,588
3 Feed.....		2,181		2,181
Mixed Feed.....	64,909	485,633		550,542
Tough.....		696		696
Other Western.....		41,339		41,339
Eastern.....		22,999		22,999
Total.....	153,791	3,028,120		3,181,911
<i>Barley</i> —				
2 C.W. Two-Row.....		14,027		14,027
2 C.W. Six-Row.....		8,457		8,457
3 C.W. Six-Row.....		692,683		692,683
1 Feed.....	105,334	9,182,221	688,921	9,976,476
2 Feed.....	2,500	16,637		19,137
Tough.....	3,333			3,333
Sample.....		114,541		114,541
Others.....		24,955		24,955
Unspecified.....			229,470	229,470
Total.....	111,167	10,053,521	918,391	11,083,079
<i>Rye</i> —				
2 C.W.....	80,000	2,915,506		2,995,506
3 C.W.....		245,139		245,139
Eastern.....		186,515		186,515
Total.....	80,000	3,347,160		3,427,160
<i>Flaxseed</i> —				
1 C.W.....	142	3,690,030		3,690,172
3 C.W.....		170,369		170,369
4 C.W.....		21,339		21,339
Sample.....		74,665		74,665
Eastern.....		310,737		310,737
Total.....	142	4,267,140		4,267,282

¹ Including wheat shipped via the Port of Churchill.

EXPORT CLEARANCES OF CANADIAN GRAIN TO OVERSEAS DESTINATIONS
BY SEABOARD PORTS, CROP YEAR 1948-49

Loaded at	Wheat (All Varieties)	Oats	Barley	Rye	Flaxseed	Grand Total All Grains
	bu.	bu.	bu.	bu.	bu.	bu.
Vancouver-New Westminster	60,351,049	153,791	111,167	80,000	142	60,696,149
Victoria						
Prince Rupert						
Montreal	61,508,536	1,737,742	7,204,727	2,124,723	3,397,348	75,973,076
Sorel	9,686,666	564,346	2,027,049	1,180,417		13,458,478
Three Rivers	7,588,854					7,588,854
Quebec	2,382,197	419,797	107,144	26,043		2,935,181
St. John						
West St. John	12,922,474	306,235	714,601	15,977	869,792	14,829,079
Halifax	9,432,546					9,432,546
Churchill	5,314,342					5,314,342
Total—Canadian Ports	169,186,664	3,181,911	10,164,688	3,427,160	4,267,282	190,227,705
Albany	791,306					791,306
New York	340,693					340,693
Baltimore	8,626,994		688,921			9,315,915
Philadelphia	34,483					34,483
Duluth			229,470			229,470
Total—U.S.A. Ports	9,793,476		918,391			10,711,867
Total to Overseas	178,980,140	3,181,911	11,083,079	3,427,160	4,267,282	200,939,572
Wheat Flour ¹	48,094,024					48,094,024
Roller Oats and Oatmeal ¹		1,792,630				1,792,630
U.S.A. Imports ²	5,255,171	18,245,093	10,646,725	6,812,050	145,767	41,104,806
Grand Total	232,329,335	23,219,634	21,729,804	10,239,210	4,413,049	291,931,032
Other U.S.A. Imports—		pounds		pounds		
Oats unhulled ground		145,767				
Barley Malt				64,724,979		

¹ Canadian Customs Returns converted to bushels.

² United States official figures.

BOARD OF GRAIN COMMISSIONERS FOR CANADA

MONTHLY AVERAGE FIXED WESTERN GRAIN PRICES AND OPEN MARKET CLOSING CASH QUOTATIONS, CROP YEAR 1948-49

—		August	September	October	November	December	January	February	March	April	May	June	July	Yearly Average
(a) CANADIAN WHEAT BOARD CASH PRICES														
WHEAT ¹ —														
(1) Initial Payment to Producers ² , Compulsory Pool 1949-50														
1 Hard.....	175	175	175	175	175	175	175	175	175	175	175	175	175	175
2 Northern.....	172	172	172	172	172	172	172	172	172	172	172	172	172	172
3 Northern.....	170	170	170	170	170	170	170	170	170	170	170	170	170	170
4 Northern.....	165	165	165	165	165	165	165	165	165	165	165	165	165	165
Number 5.....	162	162	162	162	162	162	162	162	162	162	162	162	162	162
Number 6.....	158	158	158	158	158	158	158	158	158	158	158	158	158	158
Feed.....	156	156	156	156	156	156	156	156	156	156	156	156	156	156
(2) Class I (Domestic Sales) ³ —														
1 Hard.....	205	205	205	205	205	205	205	205	205	205	205	205	205	205
1 Northern.....	205	205	205	205	205	205	205	205	205	205	205	205	205	205
2 Northern.....	202	202	202	202	202	202	202	202	202	202	202	202	202	202
3 Northern.....	200	200	200	200	200	200	200	200	200	200	200	200	200	200
4 Northern.....	197	197	197	197	197	197	197	197	197	197	197	197	197	197
Number 5.....	192	192	192	192	192	192	192	192	192	192	192	192	192	192
Number 6.....	188	188	188	188	188	188	188	188	188	188	188	188	188	188
Feed.....	186	186	186	186	186	186	186	186	186	186	186	186	186	186
1 C.W. Garnet.....	200	200	200	200	200	200	200	200	200	200	200	200	200	200
2 C.W. Garnet.....	198	198	198	198	198	198	198	198	198	198	198	198	198	198
3 C.W. Garnet.....	196	196	196	196	196	196	196	196	196	196	196	196	196	196
1 Alberta Red Winter.....	205	205	205	205	205	205	205	205	205	205	205	205	205	205
2 Alberta Winter.....	204	204	204	204	204	204	204	204	204	204	204	204	204	204
3 Alberta Winter.....	201	201	201	201	201	201	201	201	201	201	201	201	201	201
1 C.W. Amber Durum.....	205	205	205	205	205	205	205	205	205	205	205	205	205	205
2 C.W. Amber Durum.....	202	202	202	202	202	202	202	202	202	202	202	202	202	202
3 C.W. Amber Durum.....	200	200	200	200	200	200	200	200	200	200	200	200	200	200
(3) Class II (Export Sales) ⁴ —														
(a) United Kingdom Contract ⁴ —														
1 Hard.....	203/4	203/4	203/4	205	205	205	205	205	205	205	205	205	205	204/6
1 Northern.....	203/4	203/4	203/4	205	205	205	205	205	205	205	205	205	205	204/6
2 Northern.....	200/4	200/4	200/4	202	202	202	202	202	202	202	202	202	202	201/6
3 Northern.....	198/4	198/4	198/4	200	200	200	200	200	200	200	200	200	200	199/6

(b) To Other Countries—

(b) To Other Countries—													
1 Hard.....	242/2	236/6	235/6	241/6	241/2	232/4	224/6	222/2	218/1	213/6	202/4	203/7	226/2
1 Northern.....	242/2	236/6	235/6	241/6	241/2	232/4	224/6	222/2	218/1	213/6	202/4	203/7	226/2
2 Northern.....	239/2	233/6	232/6	238/6	238/2	229/4	221/6	219/2	215/1	210/6	199/4	200/7	223/2
3 Northern.....	237/2	231/6	230/6	236/6	236/2	227/4	219/6	217/2	213/1	208/6	197/4	198/7	221/2
1 C.W. Amber Durum.....	252/2	242/3	235/6	241/6	241/2	229/4	224/6	222/2	218/1	213/6	202/4	203/7	227/5
2 C.W. Amber Durum.....	249/2	239/3	232/6	238/6	238/2	229/4	224/6	219/2	215/1	210/6	199/4	200/7	224/5
3 C.W. Amber Durum.....	247/2	237/3	230/6	236/6	236/2	227/4	219/6	217/2	213/1	208/6	197/4	198/7	222/5
FLAXSEED ⁵ —													
(1) Domestic and Export Sales ⁶ —	550				No official quotations					380	380	380	.....
1 C.W.....	545												.....
2 C.W.....	534												.....
(b) WINNIPEG GRAIN EXCHANGE													
CASH QUOTATIONS ⁵													
OATS—													
(1) Domestic and Export Sales and Producers' Prices—													
2 C.W.....	77/7	74	78/1	83/2	79/4	77/3	75/7	76/1	80/7	78/4	76/7	78/7	78/1
Ex. 3 C.W.....	76/7	72/3	75/5	83/1	77	74/4	71/1	74/5	79/5	76/2	76	76/1	76/1
3 C.W.....	76/5	72	75/3	82/5	76/5	74	70	73/4	79/5	76/2	76	76/1	75/6
Ex. 1 Feed.....	76/3	71/6	75/2	81/1	76/5	73/6	69/7	73/4	79/3	76/1	75/1	76	75/3
1 Feed.....	76	70/7	73/6	80/4	74/4	72/6	69/4	72/5	78/7	74/5	74/6	74/7	74/3
2 Feed.....	71/2	69	71/7	75/4	71/1	69/2	67/5	69/6	76/2	71/7	71/2	73/1	71/4
3 Feed.....	68/3	66/4	69/1	72/1	68/4	66	64	65/7	71/5	68/4	67/4	70/3	68/2
BARLEY—													
(1) Domestic and Export Sales and Producers' Prices—													
1 C.W. Six-Row.....	116/4	113/7	130/2	138	129	125/7	119/3	119/5	122/1	126/6	121/1	130/4	124/3
2 C.W. Six-Row.....	116/4	113/7	130/2	138	129	125/7	119/3	119/5	122/1	126/6	121/1	130/4	124/3
3 C.W. Six-Row.....	116/4	110/5	121/1	128/2	119/4	119/1	115	115/2	119/2	120/1	119/7	128/3	119/3
1 C.W. Two-Row.....	115/6	106/7	114/5	121/4	116/4	114/6	110/7	111/3	113/5	118/2	117/4	126/7	115/6
2 C.W. Two-Row.....	115/6	106/7	114/5	121/4	116/4	114/6	110/7	111/3	113/5	118/2	117/4	126/7	115/6
2 C.W. Yellow.....	110/4	106/4	113	114/3	111/1	112/3	110/3	110/3	113/5	118/2	117/4	126/7	113/6
3 C.W. Yellow.....	108/3	105/7	112/1	113/7	110	111/5	109/3	109/5	113/5	117/2	117/3	125	112/7
1 Feed.....	107/4	105/7	109/1	113	107/4	110/4	107/2	107/5	113/5	116/4	117/3	123/4	111/5
2 Feed.....	103/3	104/4	105/5	111/3	105/5	108/4	106/2	107/1	112/6	115/1	116/2	122/2	110
3 Feed.....	98	101	103	106/7	103	105	102/2	104	109/5	110/3	111/4	119/3	106/1
RYE—													
(1) Domestic and Export Sales and Producers' Prices—													
2 C.W.....	159/4	145	164/1	164	154/1	148/5	114/4	114/4	118/6	125/7	129/6	141/1	140
3 C.W.....	155/1	141/5	159/4	159/2	149/6	145	111/1	112/1	115/3	121/2	125/3	136/2	136
4 C.W.....	145/3	135/3	155/1	155/2	145	138/5	103/1	102/3	110	115/7	120	131/1	129/6
Ergoty.....	134/5	123	144/1	144/7	135	138/5	93/2	92/2	100/4	107/7	112	123/1	119/7
Rejected 2 C.W.....	140/2	129/5	150/1	150/2	140	133/5	98/2	97/3	105/4	112/7	117	128/1	125/2

BOARD OF GRAIN COMMISSIONERS FOR CANADA—Concluded
MONTHLY AVERAGE FIXED WESTERN GRAIN PRICES AND OPEN MARKET CLOSING CASH QUOTATIONS, CROP YEAR 1948-49—Concluded

—		August	September	October	November	December	January	February	March	April	May	June	July	Yearly Average
(b) WINNIPEG GRAIN EXCHANGE CASH QUOTATIONS (<i>Conc'd</i>)		(Cents and eighths per bushel)												
FLAXSEED—														
(1) Domestic and Export Sales and Producers' Prices ¹ —														
1 C.W.	431/3	406/4	400	400/2	400	395	400	400	400	400	400	400	400	403/1
2 C.W.	427/3	402/3	395	395/2	395	395	395	395	395	395	395	395	395	398/3
3 C.W.	412/3	390	384	384	384	384	384	384	384	384	384	384	384	386/7
4 C.W.	399/6	375/5	375	375	375	375	375	375	375	375	375	375	375	377/1

¹ Basis in Store Fort William-Port Arthur or Vancouver.

² Effective April 1, 1949, the initial payment to producers on deliveries of Western Wheat was advanced 20c. per bushel to \$1.75 per bushel basis No. One Northern Wheat in store Fort William-Port Arthur or Vancouver and made retroactive to August 1, 1945.

³ Covers sales for Seed and Feed or to Mills and includes 5c. per bushel carrying charge. Sales prices to Distillers at the discretion of the Board.

⁴ Includes carrying charges—34c. per bushel, August 1, 1948 to September 30, 1948 and 5c. per bushel during the remainder of the Crop Year.

⁵ Basis in Store Fort William-Port Arthur.

⁶ August 20, 1948 to May 8, 1949, inclusive, no official quotations; effective May 9, 1949 to July 29, 1949 Wheat Board selling price established for Flaxseed at \$3.80 per bushel basis 1 C.W. in Store Fort William-Port Arthur.

⁷ Following the removal of Flaxseed price ceilings on August 1, 1948, the Winnipeg Grain Exchange resumed trading in Flaxseed Cash and Futures on August 16, 1948.

Note: The Canadian Wheat Board was authorized to support the price for Canada Western Oats and Barley during the 1948-49 Crop Season, basis 1 C.W. Oats—66½c. per bushel, and 1 C.W. Six-Row Barley—94c. per bushel and to buy all Flaxseed offered at a basis of \$4.00 per bushel 1 C.W. Flaxseed in store Fort William-Port Arthur.

BOARD OF GRAIN COMMISSIONERS FOR CANADA
ANNUAL WEIGH-UP OF GRAIN IN STORE IN PUBLIC TERMINAL ELEVATORS, CROP YEAR 1ST AUGUST, 1948, TO 31ST JULY, 1949.
SUMMARY OF OVERAGES OR SHORTAGES

Date of Audit	LICENSEE	Wheat		Oats		Mixed Feed Oats		Barley		Rye		Flaxseed		Mixed Grain		Corn	
		Overage	Short-age	Over-age	Short-age	Over-age	Short-age	Overage	Short-age	Over-age	Short-age	Over-age	Short-age	Over-age	Short-age	Over-age	Short-age
July 22-25.....		bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	lbs.	lbs.	bus.	bus.
	Calgary, Alta.....		79-05	22-24		142-22		1,701-22		4-46					1,030		11-30
July 8-9.....	Edmonton, Alta.....	517-00		530-10		108-08		43-06									77-45
July 12.....	Lethbridge, Alta.....	466-40							2-04								
July 20.....	Saskatoon, Sask.....	446-20			14-14				7-34								
July 27-29.....	Moose Jaw, Sask.....			12-32				10-20					392-26	46,810			
	Totals.....	1,430-00	79-05	565-32	14-14	250-30		1,755-00	9-38	4-46		35-32	392-26	46,810	1,490		89-19
	Net total Overage.....	1,350-55		551-18		250-30		1,745-10		4-46				45,320			
	or Shortage.....												350-50				89-19

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP, CROP YEAR 1948-49

SUMMARY OF RESULTS OF CALCULATIONS OF EXCESS AND DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. GARNET AND 2 C.W. GARNET GRADES OF WHEAT, AS DISCLOSED BY THE ANNUAL WEIGH-UP DURING THE CROP YEAR, AUGUST 1, 1948 TO JULY 31, 1949 OF GRAIN IN STORE IN PUBLIC TERMINAL ELEVATORS IN THE WESTERN DIVISION AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138, CANADA GRAIN ACT 1930 AND AMENDMENTS THERETO

Date of Audit	LICENSEE	EXCESS					DEFICIENCY						
		1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet
	<i>Canadian Government Elevators—</i>												
July 22-25.....	Calgary, Alta.....	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.
July 8-9.....	Edmonton, Alta.....								216-20	86-20	86-30	.....	4-00
July 12.....	Lethbridge, Alta.....									3-50	12-20	.....	.....
July 20.....	Saskatoon, Sask.....			128-00	191-00				223-30				.....
July 27-29.....	Moose Jaw, Sask.....				146-40					4-50			.....
										4-00			.....

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP, CROP YEAR 1948-49

SUMMARY OF RESULTS OF CALCULATION OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. GARNET AND 2 C.W. GARNET GRADES OF WHEAT AS DISCLOSED BY THE ANNUAL WEIGH-UP DURING THE CROP YEAR AUGUST 1, 1948 TO JULY 31, 1949, OF GRAIN IN STORE IN SEMI-PUBLIC TERMINAL ELEVATORS, FORT WILLIAM-PORT ARTHUR, AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138 CANADA GRAIN ACT, 1930, AND AMENDMENTS THERETO

Date of Audit	LICENSEE	EXCESS					DEFICIENCY						
		1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet
		bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.
July 5-6.....	Canadian Consolidated Grain Co.								2-50	8,074-50	222-00		1,406-40
July 4-7.....	Empire..... Thunder Bay.....								19,112-30	6,517-30	2,390-30		125-00
July 30-Aug. 4.....	Eastern Terminal Elevator Co. Ltd.									-			
	Richardson.....							5-00	419-30	922-10	351-10	2-50	2,647-10
	Federal Grain Limited												
July 30-Aug. 10.....	Northwestern.....								3,671-30	1,850-10	891-20		39-20
June 23-28.....	Stewart.....								4,432-40	8,595-50	1,279-10		
Aug. 11-16.....	Fort William Elevator Co. Ltd.								83-50	1,073-50	971-20		
Dec. 14-17.....	Lakehead Terminals Ltd.		15-10							53-50	48-30		
	Manitoba Pool Elevators												
May 6-10.....	Terminal No. 1.....						1,966-50		277-50	2,027-30	1,009-30	1,968-00	
April 28-May 3.....	Terminal No. 2.....								273-10	6,797-00	1,135-30		
June 21-25.....	Terminal No. 3.....								1,358-00	5,128-40	3,019-30		
Aug. 5.....	Terminal No. 6.....												
June 2-4.....	Terminal No. 9.....								341-50	940-40	158-30		
	McCabe Grain Co. Ltd.												
Dec. 13-18.....	Dominion Gov't Elevator.....					-10		5-10	1,803-00	3,391-40	95-20		54-20
	National Grain Co. Ltd.												
Dec. 17-24.....	G.T.P.....		150-00		1,637-10			12-10		10,830-20			174-40
Dec. 6-10.....	Ogilvie Flour Mills Co. Ltd.								1,092-40	2,824-40	685-00		
Dec. 15-20.....	N. M. Paterson & Co.								893-40	5,635-20	2,239-40		
Dec. 10-11.....	Reliance Grain Co.								1,760-20	2,844-10	529-40		12-40

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP, CROP YEAR 1948-49

SUMMARY OF RESULTS OF CALCULATION OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. GARNET AND 2 C.W. GARNET GRADES OF WHEAT, AS DISCLOSED BY THE ANNUAL WEIGH-UP DURING THE CROP YEAR AUGUST 1, 1948 TO JULY 31, 1949, OF GRAIN IN STORE IN SEMI-PUBLIC TERMINAL ELEVATORS, FORT WILLIAM-PORT ARTHUR, AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138 CANADA GRAIN ACT, 1930, AND AMENDMENTS THERETO—*Concluded*

Date of Audit	LICENSEE	EXCESS					DEFICIENCY						
		1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet
		bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.
June 16-28	Saskatchewan Pool Terminals Ltd.												
Dec. 20-30	Terminal No. 4 and 4B												
	Terminal No. 7						287-40	5-00	17,796-30	33,997-40	4,756-20	1,344-10	900-30
									12,475-30	99,636-00	16,394-20	35-40	
July 30-Aug. 10	Searle Grain Co.								8,881-30	28,630-10	20,063-50	551-20	141-10
Dec. 16-18	Superior Elevator Co. Ltd. "P & H"		798-00		755-00					4,913-20			5-00
Aug. 4-12	United Grain Growers Term. Ltd.				1,611-30				558-40	14,272-40			18-10
Dec. 16-20	Western Grain Co. Ltd.							542-10	1,539-40	7,155-00	6,099-40	13-00	203-30

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP, CROP YEAR 1948-49

SUMMARY OF RESULTS OF CALCULATION OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. GARNET AND 2 C.W. GARNET GRADES OF WHEAT, AS DISCLOSED BY THE ANNUAL WEIGH-UP DURING THE CROP YEAR AUGUST 1, 1948, TO JULY 31, 1949, OF GRAIN IN STORE IN SEMI-PUBLIC TERMINAL ELEVATORS, VANCOUVER-NEW WESTMINSTER, CHURCHILL AND NORTH TRANSCONA, AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138, CANADA GRAIN ACT, 1930, AND AMENDMENTS THERETO

Date of Audit	LICENSEE	EXCESS					DEFICIENCY						
		1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet	1 Hard	1 Northern	2 Northern	3 Northern	1 C.W. Garnet	2 C.W. Garnet
1949	VANCOUVER-NEW WESTMINSTER	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.
July 23-Aug. 5...	Alberta Wheat Pool.....								29,777-10	23,662-40	22,026-50	19-00	704-50
July 25-Aug. 1...	Midland Pacific Terminals.....								390-40	1,996-40	4,253-40	131-50	290-50
July 25-Aug. 1...	Pacific Elevators Ltd.....					138-50			13,275-00	10,729-10	10,939-20	.....	502-20
July 28-Aug. 5...	James Richardson & Sons.....		12-40							184-40	162-40	8-50	79-10
July 20-22.....	Searle Grain Co. Ltd.....								2,704-10	4,506-40	3,345-00	54-00	978-20
July 4-12.....	United Grain Growers Terminals. <i>Churchill, Man.</i>								8,960-20	6,671-50	7,041-40	80-40	651-10
Oct. 14-18, 1948..	National Harbours Board Elevator <i>North Transcona, Man.</i>				154-00				1,070-30	4,140-10	.....	.....	1,484-20
July 13, 1949.....	Eastern Terminal Elevator Co....								61-50	136-10	14-10	.....	.....

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP, CROP YEAR 1948-49

SUMMARY OF RESULTS OF CALCULATIONS OF OVERAGE AND SHORTAGE IN WESTERN CANADIAN AND FOREIGN GRAIN AS REVEALED BY THE ANNUAL WEIGH-UP DURING CROP YEAR 1ST AUGUST, 1948, TO 31ST JULY 1949, OF GRAIN IN STORE IN EASTERN ELEVATORS, AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138A CANADA GRAIN ACT, 1930, AND AMENDMENTS THERETO.

Date of Audit	Licensee	Kind of Grain	Overage	Shortage
1949			bus.	bus.
April 4.....	<i>Collingwood—</i> Collingwood Terminals Ltd.....	Western Canadian Wheat.....		307-4
		Western Canadian Oats.....		1,725-2
		Western Canadian Barley.....		779-3
		Western Canadian Sample Grain.....		150 lbs
		Western Canadian Mixed Grain.....	1,190 lbs.	
		Western Canadian Screenings.....		1,910 lbs
March 24- April 15.....	<i>Goderich—</i> Goderich Elev. & Transit Co.....	Western Canadian Wheat.....		4,754-4
		Western Canadian Oats.....		4,379-1
		Western Canadian Barley.....		3,063-4
		Western Canadian Rye.....		51-4
		Western Canadian Flaxseed.....		24-2
		Western Canadian Sample Grain.....		1,430 lbs
		Western Canadian Screenings.....		25,084 lbs
		U.S.A. Corn.....		1,806-2
		U.S.A. Soya Beans.....		38-4
March 31- April 1.....	<i>Goderich—</i> Purity Flour Mills Co. Ltd.....	Western Canadian Wheat.....		6,059-0
		Western Canadian Oats.....		27-0
		Western Canadian Barley.....		1,228-2
		Western Canadian Screenings.....		10,640 lbs
		U.S.A. Corn.....		5-0
March 14- March 22.....	<i>Humberstone—</i> Robin Hood Flour Mills.....	Western Canadian Wheat.....		677-2
		U.S.A. Wheat.....		179-3
Jan. 31- Feb. 4.....	<i>Kingston—</i> Kingston Elevator Co. Ltd.....	Western Canadian Wheat.....		5,581-4
		Western Canadian Oats.....		121-1
		Western Canadian Barley.....		1,677-1
		Western Canadian Rye.....		513-4
		Western Canadian Flaxseed.....		1,157-4
		U.S.A. Barley.....		256-4
March 3- March 4.....	<i>Midland—</i> Aberdeen Elevator Co. Ltd.....	Western Canadian Wheat.....		17-4
		Western Canadian Oats.....		17-1
		Western Canadian Barley.....	423-25	
		Western Canadian Flaxseed.....		168-4
		U.S.A. Oats.....		931-2
March 9- March 15.....	<i>Midland—</i> C.N.R. Elevator.....	Western Canadian Wheat.....		3,309-4
		Western Canadian Oats.....		225-4
		Western Canadian Barley.....		289-4
		Western Canadian Rye.....		345-4
		Western Canadian Flaxseed.....		154-4
		U.S.A. Corn.....		20-4
March 28- April 13.....	<i>Midland—</i> Canada Steamship Lines El.....	Western Canadian Wheat.....		1,439-4
		Western Canadian Oats.....	120-19	
		Western Canadian Barley.....		47-4
		Western Canadian Flaxseed.....		344-4
March 4- March 9.....	<i>Midland—</i> Midland-Simcoe Elevator.....	Western Canadian Wheat.....		3,826-4
		Western Canadian Oats.....		2,499-4
		Western Canadian Barley.....		1,924-4
		Western Canadian Rye.....		124-4
		Western Canadian Mixed Grain.....		1,390 lbs
		U.S.A. Corn.....		182-4

ANNUAL WEIGH-UP, CROP YEAR 1948-49—(Continued)

CALCULATIONS OF OVERAGE OR SHORTAGE—EASTERN ELEVATORS

Date of Audit	Licensee	Kind of Grain	Overage	Shortage
1949			bus.	bus.
April 16- April 20.....	<i>Owen Sound</i> — Great Lakes Elevator Co. Ltd....	Western Canadian Wheat.....		7,604-20
		Western Canadian Oats.....		1,006-14
		Western Canadian Barley.....		1,089-10
		Western Canadian Rye.....		76-12
		Western Canadian Flaxseed.....		103-53
		Western Canadian Mixed Grain.....		1,867 lbs.
		U. S. A. Corn.....		2,897-11
		U.S.A. Screenings.....	23,870 lbs.	
May 5- May 6.....	<i>Montreal</i> — Dominion Elevator Co. Ltd.....	Western Canadian Wheat.....		301-10
		Western Canadian Oats.....		269-06
		Western Canadian Barley.....	208-41	
		Western Canadian Mixed Grain.....		790 lbs.
		Western Canadian Screenings.....		3,144 lbs.
		U.S.A. Corn.....		36-20
Feb. 8- Feb. 9.....	<i>Quebec</i> — National Harbours Board El.....	Western Canadian Wheat.....		66-00
		Western Canadian Oats.....		330-24
		Western Canadian Barley.....		104-33
		Western Canadian Rye.....		12,643-08
		Western Canadian Screenings.....		1,060 lbs.
		U.S.A. Corn.....		65-11
Feb. 11.....	<i>Sorel</i> — North American Elevators Ltd....	Western Canadian Wheat.....		5,286-40
		Western Canadian Oats.....		657-11
		Western Canadian Barley.....		1,409-02
		Western Canadian Rye.....		737-43
		Western Canadian Screenings.....		60 lbs.
		U.S.A. Barley.....		257-21
Feb. 7.....	<i>Three Rivers</i> — Three Rivers Gr. & El. Co. Ltd..	Western Canadian Wheat.....		5,134-50
		Western Canadian Oats.....		19-02
		Western Canadian Barley.....	6-41	
May 9- May 10.....	<i>Halifax</i> — National Harbours Board Elev....	Western Canadian Wheat.....		5,272-50
		Western Canadian Oats.....		13-23
		Western Canadian Barley.....		2-04
		U.S.A. Corn.....		1-49
May 11.....	<i>St. John</i> — C.N.R. Elevator.....	Western Canadian Wheat.....		1-50
		Western Canadian Oats.....		64-15
		Western Canadian Barley.....		33-21
May 11.....	<i>West St. John</i> — C.P.R. Elevator "B".....	Western Canadian Wheat.....		3,023-00
		Western Canadian Oats.....		161-29
		Western Canadian Barley.....		376-18
		Western Canadian Rye.....		10-00
		Western Canadian Flaxseed.....		434-55
May 11.....	<i>West St. John</i> — C.P.R. Elevator "H".....	Western Canadian Wheat.....		4,166-30
		Western Canadian Oats.....		29-19
		Western Canadian Barley.....		70-13
		Western Canadian Flaxseed.....		18-52
March 11- March 14.....	<i>Port Colborne</i> — National Harbours Board Elev....	Western Canadian Wheat.....		5,704-50
		Western Canadian Oats.....		61-20
		Western Canadian Barley.....		1,278-34
		Western Canadian Rye.....		192-52
		Western Canadian Flaxseed.....		228-06
March 4- March 10.....	<i>Port Colborne</i> — Maple Leaf Milling Co. Ltd.....	Western Canadian Wheat.....		6,153-30
		Western Canadian Oats.....		372-14
		Western Canadian Barley.....		16-12
		Western Canadian Mixed Feed Oats Groats.....	15,158-28	
		U.S.A. Wheat.....		134-40
		U.S.A. Corn.....		88-02

ANNUAL WEIGH-UP, CROP YEAR 1948-49—(Concluded)

CALCULATIONS OF OVERAGE OR SHORTAGE—EASTERN ELEVATORS

Date of Audit	Licensee	Kind of Grain	Overage	Shortage
1949			bus.	bus.
March 16- March 25.....	<i>Port McNicoll—</i> C.P.R. Elevator.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... Western Canadian Sample Grain..... U.S.A. Oats.....		4,716-41 81-31 844-41 40-11 222-31 3,000 lbs 1,341-11
Feb. 3.....	<i>Prescott—</i> National Harbours Board Elev....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... Western Canadian Mixed Grain..... Western Canadian Sample Grain..... Western Canadian Screenings U.S.A. Corn.....	1,587-06 21-55 51,660 lbs.	1,082-41 1,628-01 149-41 50 lbs 74,930 lbs 379-11
April 16- April 26.....	<i>Sarnia—</i> Sarnia Elevator Co. Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... U.S.A. Corn.....		9,005-31 1,703-21 70-14 1,221-11
April 4- April 13.....	<i>Toronto—</i> Toronto Elevators Ltd.....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... Western Canadian Screenings U.S.A. Corn..... U.S.A. Soy Beans.....		4,461-21 557-14 2,471-31 23-10 527-31 40 lbs 2,206-31 1-10
April 28- April 30.....	<i>Walkerville—</i> Hiram Walker & Sons Grain Corp.	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... U.S.A. Wheat..... U.S.A. Barley..... U.S.A. Corn..... Origin Unknown Screenings.	329-47	1,495-10 371-21 266-21 4-20 114-41 596-46 14,810 lbs.
Feb. 14- Feb. 28.....	<i>Montreal—</i> National Harbours Board Elev....	Western Canadian Wheat..... Western Canadian Oats..... Western Canadian Barley..... Western Canadian Rye..... Western Canadian Flaxseed..... Western Canadian Mixed Grain..... Western Canadian Sample Grain..... Western Canadian Scrgs..... Western Canadian Buck- wheat..... U.S.A. Oats..... U.S.A. Rye..... U.S.A. Corn..... U.S.A. Rice..... Origin Unknown Rye.....	247,350 lbs. 252,070 lbs 82,310 lbs.	8,883-40 6,529-32 2,620-14 1,658-17 1,302-28 1-10 1,338-12 50 lbs. 998-16 30 lbs.

BOARD OF GRAIN COMMISSIONERS FOR CANADA

ANNUAL WEIGH-UP, CROP YEAR 1948-49

SUMMARY OF RESULTS OF CALCULATIONS OF EXCESS OR DEFICIENCY IN THE FIRST FOUR STATUTORY AND 1 C.W. AND 2 C.W. GARNET GRADES OF WHEAT HANDLED AT AND IN STORE IN PRIVATE TERMINAL ELEVATORS IN THE WESTERN DIVISION, DURING CROP YEAR, AUGUST 1, 1948 TO JULY 31, 1949, AND ARRIVED AT IN THE MANNER PRESCRIBED IN SECTION 138, CANADA GRAIN ACT 1930 AND AMENDMENTS THERETO

Date of Audit, July 21, 1949	Calgary, Alberta	
	Canada Malting Co. Ltd. No. 1	
	Excess	Deficiency
	bus.	bus.
1 Hard.....		
1 Northern.....		15-20
2 Northern.....		5-00
3 Northern.....		
1 C.W. Garnet.....		
2 C.W. Garnet.....		24-40

No wheat of the above grades was handled or in store in the following elevators:

Date of Audit	Elevator Company	Location
July 19, 1949	Canada Malting Co. Ltd., No. 2.....	Calgary, Alta.
Nov. 12, 1948	Canada Malting Co. Ltd.....	Winnipeg, Man.
July 21, 1949	Canada Malting Co. Ltd.....	Port Arthur, Ont.
Nov. 16, 1948	Dominion Malting Co. Ltd.....	South Transcona, Man.
July 26, 1949	United Grain Growers Terminals Ltd.....	Edmonton, Alta.
June 22, 1949	National Grain Co. Ltd. (D. & S.).....	Fort William, Ont.

APPENDIX No. 2

COMMITTEES ON GRAIN STANDARDS

COMMITTEE ON WESTERN GRAIN STANDARDS, 1949

D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners
 J. Vallance, Commissioner, Board of Grain Commissioners
 A. F. Dollery, Chief Grain Inspector, Board of Grain Commissioners
 J. Forsyth, Chairman, Grain Appeal Tribunal, Winnipeg
 C. R. Manahan, Chairman, Grain Appeal Tribunal, Edmonton
 P. J. Marples, Chairman, Grain Appeal Tribunal, Calgary
 Dr. J. A. Anderson, Chief Chemist, Dominion Grain Research Laboratory
 Dr. C. H. Goulden, Dominion Cerealists
 W. A. Hastings, representing the millers of wheat flour

George Bennett	}	Representing grain growers in Alberta
W. H. Fairfield		
R. H. MacDonald		
B. S. Plumer		

A. F. Sproule	}	Representing grain growers in Saskatchewan
Prof. M. Champlin		
J. Wellbelove		
L. L. Gray		
G. S. Canfield		

W. J. Parker	}	Representing grain growers in Manitoba
R. Barrett		
Ray Mitchell		

G. Constable, representing grain growers in British Columbia
 Nelson Young, representing Plant Products Division, Department of Agriculture

COMMITTEE ON EASTERN GRAIN STANDARDS, 1949

D. G. McKenzie, Chief Commissioner, Board of Grain Commissioners
 D. A. MacGibbon, Commissioner, Board of Grain Commissioners
 J. Vallance, Commissioner, Board of Grain Commissioners
 A. F. Dollery, Chief Grain Inspector, Board of Grain Commissioners
 N. Clare Wight, representing Montreal Board of Trade
 E. D. Sullivan, representing Toronto Board of Trade
 Guy D. Robinson, representing exporters of grain

F. H. Dunsford	}	Representing millers of wheat in the Eastern Division
H. Norman Davis		

N. M. Marshall	}	Representing grain growers in Ontario
W. A. Amos		

Wm. Wallace	}	Additional—representing growers of corn
J. M. Vittie		
John W. Ham		

APPENDIX No. 3

GRAIN APPEAL TRIBUNALS

Winnipeg

J. Forsyth, Chairman
 Grant Hammond
 W. E. McLeod
 A. F. Moore
 James Gregory
 S. C. Swanton
 J. F. Lazenby
 D. K. Mills
 H. R. Ballance
 J. A. Wittebolle
 (Acting Secretary)

Calgary

P. J. Marples, Chairman
 T. F. Allison
 J. Tranter
 W. N. Pringle
 W. McLeod
 E. J. Munson
 G. C. Arbuthnott
 A. Watson
 G. R. Deeton

Edmonton

C. R. Manahan, Chairman
 J. F. Schofield
 W. H. Boyle
 J. R. MacRae
 T. Stickney
 J. A. Kyle
 H. A. Haggarty
 C. E. Sage
 Ross Saunders
 D. K. McKay (Secretary)

Toronto

John W. Ham
 C. H. Coatsworth
 R. O. Pratt
 N. H. Campbell
 C. W. Heimbecker
 L. S. Johnson
 W. H. McCarthy
 W. A. Robertson
 E. D. Sullivan
 K. F. Wadsworth
 F. D. Tolchard (Secretary)

Montreal

A. Chaplin
 T. B. Earle
 J. A. Byrne
 J. M. Vittie
 T. A. Climo
 E. Lorne Tracey (Secretary)

SUMMARY OF APPEALS FOR THE CROP YEAR ENDED JULY 31, 1949

	Appeals Held	Number of Appeals Allowed		Number of Appeals Disallowed
		Raised	Lowered	
Winnipeg.....	351	18	Nil	333
Calgary.....	454	73	Nil	381
Edmonton.....	331	43	Nil	288
Toronto.....	Nil	Nil	Nil	Nil
Montreal.....	Nil	Nil	Nil	Nil
	1,136	134	Nil	1,002

APPENDIX No. 4

REPORT OF REGISTRAR

WINNIPEG, MANITOBA,
November 29, 1949.

The Secretary,
Board of Grain Commissioners for Canada,
Winnipeg, Manitoba.

DEAR SIR,—I have the honour to submit hereunder statement showing the total registrations and registrations for cancellation of terminal warehouse receipts, Western Division, and Eastern warehouse receipts or transfer receipts, during the crop year ended July 31, 1949:

	Bushels Registered	Bushels Registered for Cancellation
<i>Winnipeg—</i>		
Wheat.....	175,260,030	179,088,055
Oats.....	56,639,405	60,383,510
Barley.....	44,617,489	46,605,511
Flax.....	15,003,754	10,210,191
Rye.....	15,281,292	12,327,151
Mixed Grain.....	1,077,544	536,619
Peas.....	361	431
Corn.....	25,600	119,463
<i>Vancouver—</i>		
Wheat.....	65,924,417	62,009,998
Oats.....	1,943,159	3,170,971
Barley.....	402,208	523,967
Flax.....	972	2,680
Rye.....	174,569	131,362
Mixed Grain.....	30,454	17,670
Corn.....	4,048	3,859
<i>Calgary—</i>		
Wheat.....	347,846	335,550
Oats.....	83,097	123,637
Barley.....	1,763,779	1,817,150
Flax.....	1,606	3,374
Rye.....	20,760	4,845
Mixed Grain.....	2,328	5,869
Corn.....	14,927	Nil
Oats, Groats.....	80	Nil
<i>Edmonton—</i>		
Wheat.....	140,035	216,178
Oats.....	269,984	301,453
Barley.....	36,029	60,236
Flax.....	992	905
Rye.....	Nil	Nil
Mixed Grain.....	2,222	2,285
Corn.....	10,014	9,528
<i>Lethbridge</i>		
Wheat.....	10,425	8,312
Oats.....	129	3,495
Barley.....	105	232
Flax.....	57,792	57,776
Mixed Grain.....	105	105

	Bushels Registered	Bushels Registered for Cancellation
<i>Moose Jaw—</i>		
Wheat.....	3,182	9,178
Oats.....	29,543	49,595
Barley.....	63,528	42,098
Flax.....	2,854	8,171
Rye.....	3,335	3,376
Mixed Grain.....	3,451	15,895
Rapeseed.....	814,755	674,119
<i>Saskatoon—</i>		
Wheat.....	14,011	20,646
Oats.....	13,091	13,906
Barley.....	Nil	Nil
Flax.....	137,403	183,442
Mixed Grain.....	874	9,700
Rapeseed.....	267,181	267,211
<i>Summary—Western Division—</i>		
Wheat.....	241,699,946	241,687,917
Oats.....	58,978,408	64,046,572
Barley.....	46,883,138	49,049,203
Flax.....	15,205,373	10,466,539
Rye.....	15,479,956	12,466,734
Mixed Grain.....	1,116,978	588,143
Corn.....	54,589	132,850
Rapeseed.....	1,081,936	941,330
Peas.....	361	431
Oats, Groats.....	80	Nil
Total All Grains.....	380,500,765	379,379,719

EASTERN WAREHOUSE RECEIPTS OR TRANSFER RECEIPTS

<i>Montreal—</i>		
Wheat.....	255,500,598	241,535,551
Oats.....	35,341,347	34,964,767
Barley.....	35,142,946	36,640,120
Flax.....	14,910,065	11,360,697
Rye.....	8,753,099	7,016,763
Mixed Grain.....	367,676	315,592
Corn.....	9,134,969	8,980,718
Screenings.....	591,052	575,419
Buckwheat.....	43,795	35,791
Beans.....	859,460	889,581
Peas.....	Nil	4,372
Oats, Groats.....	15,158	15,158
Dried Grains.....	10,922	7,200
Total All Grains.....	360,671,087	342,341,729

Yours respectfully,

E. L. JAFFRAY,
Registrar.

APPENDIX No. 5

REPORT OF CHIEF GRAIN INSPECTOR

1064 Grain Exchange,
WINNIPEG, MAN.,
December 19, 1949

Mr. J. Rayner, Secretary,
WINNIPEG, MAN.

DEAR SIR,—I have the honour to submit herewith the annual report covering cars and cargo inspections in the Western Division, also the car and cargo inspections and sampling of grain in the Eastern Division for the crop year ending July 31, 1949.

The crop in parts of Southern and Central Saskatchewan was affected by drought reducing the yield of all grains.

A period of drought in Central Alberta followed by late rains caused second growth kernels to appear in the Red Spring Wheat crop. This defect together with frost damage resulted in a considerable quantity of wheat from this area to be graded into the commercial grades.

The total number of cars inspected in the Western Division for the year 1948-49 was 253,282 as against 216,936 for the previous year, an increase of 36,346 cars.

Yours truly,

A. F. DOLLERY,
Chief Grain Inspector.

WESTERN DIVISION

The Total Primary Inspections in the Western Division from August 1 1948 to July 31, 1949 are made up as follows:

	Cars	Percentage
Wheat.....	166,708	65.81
Oats.....	32,038	12.64
Barley.....	33,096	13.06
Flax.....	11,069	4.37
Rye.....	9,149	3.61
Mixed Grain.....	579	0.23
Corn.....	118	0.04
Buckwheat.....	10	N
Screenings.....	457	0.18
Sunflower Seeds.....	3	N
Peas.....	55	0.02
Totals.....	253,282	100.00

The Grades of Wheat are as follows:

	Cars	Percentage	Percentage of Total Wheat Inspections
1 Manitoba Hard.....	9	0-006	
1 Manitoba Northern.....	51,173	33-572	
2 Manitoba Northern.....	67,625	44-365	
3 Manitoba Northern.....	15,580	10-221	
4 Manitoba Northern.....	3,423	2-246	
No. 4 Special.....	162	0-106	
No. 5.....	3,601	2-362	
No. 6.....	382	0-251	
Feed.....	40	0-026	
Sample.....	248	0-163	
Smutty.....	194	0-127	
Tough.....	8,666	5-685	
Damp.....	173	0-114	
Rejected.....	1,152	0-756	
Total Red Spring Wheats.....	152,428	100-000	91-434
1 Canada Western Garnet.....	64	2-401	
2 Canada Western Garnet.....	732	27-457	
3 Canada Western Garnet.....	1,343	50-375	
Smutty Canada Western Garnet.....	2	0-075	
Tough Canada Western Garnet.....	501	18-792	
Damp Canada Western Garnet.....	1	0-037	
Rejected Canada Western Garnet.....	22	0-826	
Sample Canada Western Garnet.....	1	0-037	
Total Garnet Wheats.....	2,666	100-000	1-599
1 Canada Western Amber Durum.....	66	0-733	
2 Canada Western Amber Durum.....	1,874	20-818	
3 Canada Western Amber Durum.....	6,538	72-628	
4 Canada Western Amber Durum.....	229	2-544	
5 Canada Western Amber Durum.....	5	0-055	
Smutty Canada Western Amber Durum.....	18	0-200	
Tough Canada Western Amber Durum.....	79	0-878	
Damp Canada Western Amber Durum.....	1	0-011	
Rejected Canada Western Amber Durum.....	149	1-655	
Sample Canada Western Amber Durum.....	43	0-478	
Total Amber Durum Wheats.....	9,002	100-000	5-400
1 Canada Western Soft White Spring.....	62	10-368	
2 Canada Western Soft White Spring.....	471	78-763	
3 Canada Western Soft White Spring.....	30	5-017	
4 Canada Western Soft White Spring.....	11	1-840	
Tough Canada Western Soft White Spring.....	19	3-177	
Damp Canada Western Soft White Spring.....	2	0-334	
Rejected Canada Western Soft White Spring.....	2	0-334	
Sample Canada Western Soft White Spring.....	1	0-167	
Total Soft White Spring Wheats.....	598	100-000	0-359
1 Canada Western Mixed Wheat.....	76	31-020	
2 Canada Western Mixed Wheat.....	9	3-674	
3 Canada Western Mixed Wheat.....	57	23-265	
4 Canada Western Mixed Wheat.....	3	1-224	
5 Canada Western Mixed Wheat.....	65	26-531	
Tough Canada Western Mixed Wheat.....	14	5-714	
Smutty Canada Western Mixed Wheat.....	2	0-817	
Rejected Canada Western Mixed Wheat.....	19	7-755	
Total Mixed Wheats.....	245	100-000	0-147
1 Alberta Red Winter.....	944	53-364	
2 Alberta Winter.....	461	26-059	
3 Alberta Winter.....	137	7-745	
Tough Alberta Winter.....	93	5-257	
Damp Alberta Winter.....	8	0-452	
Smutty Alberta Winter.....	83	4-692	
Rejected Alberta Winter.....	42	2-374	
Sample Alberta Winter.....	1	0-057	
Total Alberta Winter Wheats.....	1,769	100-000	1-061
Total All Wheats.....	166,708		100-000

The Grades of Oats are as follows:

	Cars	Percentage
2 Canada Western.....	557	1.73
Extra 3 Canada Western.....	3,368	10.55
3 Canada Western.....	7,311	22.85
Extra 1 Feed.....	3,836	11.97
1 Feed.....	11,837	36.94
2 Feed.....	3,021	9.42
3 Feed.....	638	1.99
Mixed Feed Oats.....	16	0.05
Rejected Oats.....	104	0.32
Sample.....	41	0.12
Tough.....	1,301	4.06
Damp.....	8	0.02
Total Oats.....	32,038	100.00

The Grades of Barley are as follows:

2 Canada Western Six Row.....	3,061	9.24
3 Canada Western Six Row.....	6,748	20.38
2 Canada Western Two Row.....	149	0.45
2 Canada Western Yellow.....	36	0.10
3 Canada Western Yellow.....	138	0.41
1 Feed.....	10,054	30.37
2 Feed.....	8,281	25.02
3 Feed.....	2,342	7.07
Rejected.....	178	0.53
Sample.....	68	0.20
Tough.....	1,966	5.94
Damp.....	75	0.22
Total Barley.....	33,096	100.00

The Grades of Flax are as follows:

1 Canada Western.....	10,445	94.36
2 Canada Western.....	327	2.95
3 Canada Western.....	138	1.24
4 Canada Western.....	14	0.12
Sample.....	87	0.78
Tough.....	52	0.47
Damp.....	1	0.00
Flax and Broken Grain.....	5	0.04
Total Flax.....	11,069	100.00

The Grades of Rye are as follows:

1 Canada Western.....	161	1.75
2 Canada Western.....	4,867	53.19
3 Canada Western.....	3,257	35.60
4 Canada Western.....	205	2.24
Ergoty Rye.....	238	2.60
Rejected.....	15	0.16
Tough.....	394	4.30
Damp.....	5	0.05
Sample.....	7	0.07
Total Rye.....	9,149	100.00

The Grades of Mixed Grain are as follows:

	Cars	Percentages
No. 1 Mixed Grain.....	94	16.235
No. 2 Mixed Grain.....	50	8.636
No. 3 Mixed Grain.....	357	61.658
Tough.....	43	7.427
Damp.....	7	1.209
Smutty Rejected.....	13	2.245
Sample.....	15	2.590
Total Mixed Grain.....	579	100.000

The Grades of Corn are as follows:

No. 1 Canada Western Yellow.....	21	17.796
No. 2 Canada Western Yellow.....	31	26.271
No. 3 Canada Western Yellow.....	5	4.238
No. 4 Canada Western Yellow.....	3	2.542
No. 5 Canada Western Yellow.....	2	1.695
Tough.....	3	2.542
Moist.....	22	18.644
Wet.....	26	22.034
Sample.....	5	4.238
Total Corn.....	118	100.000

THE NUMBER OF CARS OF GRAIN INSPECTED AT THE VARIOUS POINTS DURING
THE CROP YEAR, AUGUST 1, 1948-JULY 31, 1949

Point	Cars	Percentages
Winnipeg.....	178,092	70.314
Calgary.....	34,103	13.465
Moose Jaw.....	3,874	1.530
Saskatoon.....	4,864	1.920
Medicine Hat.....	2,874	1.135
Lethbridge.....	92	0.036
Vancouver.....	769	0.304
Edmonton.....	25,349	10.008
Churchill.....	3,265	1.288
Total.....	253,282	100.000

SUMMARY OF CARS RE-INSPECTED 1948-1949.

	Winnipeg			Calgary		
Cars Inspected.....	178,092			34,103		
Cars Re-inspected.....	27,160	15.25%		5,564	16.32%	
Reinspections	Cars	Percentage of		Cars	Percentage of	
		Rein- spections	Total Cars Inspected		Rein- spections	Total Cars Inspected
Left as Graded.....	14,682	54.06	8.24	2,926	52.58	8.58
Grades Raised.....	5,739	21.13	3.22	1,625	29.21	4.76
Grades Lowered.....	546	2.01	0.31	86	1.55	0.25
Dockage Raised.....	804	2.96	0.45	276	4.96	0.80
Dockage Lowered.....	5,389	19.84	3.03	651	11.70	1.90
Total.....	27,160	100.00	15.25	5,564	100.00	16.29

			Edmonton		Saskatoon	
Cars Inspected.....			25,349		4,864	
Cars Re-inspected.....			6,914 27.28%		439 9.03%	
Reinspections	Cars	Percentage of		Cars	Percentage of	
		Rein- spections	Total Cars Inspected		Rein- spections	Total Cars Inspected
Left as Graded.....	3,051	44.13	12.04	418	95.22	8.59
Grades Raised.....	946	13.68	3.73	21	4.78	0.43
Grades Lowered.....	202	2.92	0.80			
Dockage Raised.....	276	3.99	1.09			
Dockage Lowered.....	2,439	35.28	9.62			
Total.....	6,914	100.00	27.28	439	100.00	9.03
			Moose Jaw		Medicine Hat	
Cars Inspected.....			3,874		2,874	
Cars Re-inspected.....			192 4.96%		64 2.23%	
Reinspections	Cars	Percentage of		Cars	Percentage of	
		Rein- spections	Total Cars Inspected		Rein- spections	Total Cars Inspected
Left as Graded.....	182	94.79	4.07	20	31.25	0.60
Grades Raised.....	9	4.69	0.30	30	46.87	1.04
Grades Lowered.....	1	0.52	0.03			
Dockage Raised.....				7	10.94	0.24
Dockage Lowered.....				7	10.94	0.24
Total.....	192	100.00	4.40	64	100.00	2.23
			Lethbridge		Vancouver	
Cars Inspected.....			92		769	
Cars Re-inspected.....			Nil		12 1.56%	
Reinspections	Cars	Percentage of		Cars	Percentage of	
		Rein- spections	Total Cars Inspected		Rein- spections	Total Cars Inspected
Left as Graded.....				11	91.66	1.44
Grades Raised.....				1	8.34	0.13
Grades Lowered.....						
Dockage Raised.....						
Dockage Lowered.....						
Total.....				12	100.00	1.56
					Churchill	
Cars Inspected.....					3,265	
Cars Re-inspected.....					Nil	
Reinspections					Cars	Percentage of Reinspections
Left as Graded.....						
Grades Raised.....						
Grades Lowered.....						
Dockage Raised.....						
Dockage Lowered.....						
Total.....						

RECAPITULATION OF RE-INSPECTIONS

Total Cars Inspected.....		253,282	
Total Cars Re-inspected.....		40,345	15.93%
	Cars	Percentage of	
		Re-inspections	Total Inspections
Left as Graded.....	21,290	52.77	8.46
Grades Raised.....	8,371	20.75	3.31
Grades Lowered.....	835	2.07	0.33
Dockage Raised.....	1,363	3.38	0.54
Dockage Lowered.....	8,486	21.03	3.35
Total.....	40,345	100.00	15.99

SUMMARY OF CARS APPEALED

	Winnipeg		Edmonton		Calgary		Total	
	Cars	Per cent	Cars	Per cent	Cars	Per cent	Cars	Per cent.
Left as Graded.....	333	94.87	288	87.00	381	83.92	1,002	88.20
Grades Raised.....	18	5.13	43	13.00	73	16.08	134	11.80
Grades Lowered.....								
Dockage Raised.....								
Dockage Lowered.....								
Total.....	351	100.00	331	100.00	454	100.00	1,136	100.00

PERCENTAGES OF APPEALS TO TOTAL INSPECTIONS

	Cars	Per cent
Total Inspections.....	253,282	100.00
Total Appeals.....	1,136	0.45
Total Grades Changed.....	134	0.05

GRAIN INSPECTED AND SHIPPED BY VESSEL, AUGUST 1, 1948 TO JULY 31, 1949

	Fort William and Port Arthur	Vancouver	Churchill
	bushels	bushels	bushels
Wheat.....	59,970,106	60,353,534-50	5,325,718-00
Oats.....	39,569,885	153,791-04	
Barley.....	37,906,165	111,166-32	
Rye.....	12,320,244	80,000-00	
Flax.....	9,624,600	142-48	
Screenings.....	3,845,540	3,333-20	
Mixed Grain.....	238,952		

OUTWARD CARS INSPECTED CROP YEAR, AUGUST 1, 1948 TO JULY 31, 1949, EX PUBLIC, SEMI-PUBLIC
AND PRIVATE ELEVATORS

—	Winnipeg	Calgary	Edmonton	Moose Jaw	Saskatoon	Medicine Hat	Lethbridge	Vancouver	Port William and Port Arthur	Churchill
Wheat.....	203	141	112	173	44	1	1	766	7,381	.....
Oats.....	805	138	177	138	5	.....	.....	1,207	9,458	9
Barley.....	658	334	51	33	2	.....	.....	248	6,361	.....
Flax.....	38	1	1	4	105	.....	27	.....	461	.....
Rye.....	21	5	.....	2	11	.....	.....	30	183	.....
Mixed Grain.....	90	56	1	53	4	.....	.....	5	226	.....
Corn.....	35	.....	3	.....	.....	.....	.....	.....	.....	.....
Screenings.....	365	301	4	198	224	.....	4	585	2,401	58
Buckwheat.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Corn U.S.A.....	.....	.....	.....	.....	.....	.....	.....	.....	61	.....
Total.....	2,216	976	349	601	395	1	32	2,841	26,532	67

EASTERN DIVISION

SUMMARIZED STATEMENT, AUGUST 1, 1948-JULY 31, 1949

TOTAL INSPECTIONS

Carloads—

Grain grown in the Eastern Division:

	Cars	Cars
At Montreal.....	1,590	
At Toronto.....	2,033	
At Chatham.....	8,337	
		11,960

Cargoes—

Grain grown in the Eastern Division:

	Bushels	Bushels
At Montreal.....	4,232,807	
At Toronto.....	305,128	
At Chatham.....	417,063	
		4,954,998

Bin Inspection—

Grain grown in the Eastern Division:

	Bushels	Bushels
At Montreal.....	1,451,186	
At Toronto.....	26,296	
At Chatham.....	10,091	
		1,487,573

GRAIN SAMPLED BUT NOT INSPECTED (FEES), AUGUST 1, 1948-JULY 31, 1949

	Montreal	Toronto	Chatham
<i>Carloads—</i>			
Western Grain.....	247		7
Eastern Grain.....	947		158
United States Grain.....	12		1
Total.....	1,206		166

Cargoes—

	Bushels	Bushels
Western Grain.....	5,614,701	
Eastern Grain.....	11,888	
United States Grain.....	1,036,161	
		6,662,750

GRAIN SAMPLED BUT NOT INSPECTED (NO FEES), AUGUST 1, 1948-JULY 31, 1949

Cargoes—

	Bushels	Bushels
Western Grain (Export).....	118,203,253	
Western Grain (Export, in bags).....	419,948	
Western Grain (Inward).....	2,514,407	
		121,137,609

SUMMARIZED STATEMENT, AUGUST 1, 1948-JULY 31, 1949

RECAPITULATION BY POINTS

At Montreal—

	Bushels	Bushels
Export.....	70,990,912	
Export (in bags).....	394,825	
Inward.....	24,881,740	
		96,267,477

At Sorel—

	Bushels	Bushels
Export.....	13,328,805	
Inward.....	262,367	
		13,591,172

SUMMARIZED STATEMENT, AUGUST 1, 1948-JULY 31, 1949—Concluded

RECAPITULATION BY POINTS—Concluded

<i>At Three Rivers—</i>		
Export.....	7,252,982	
<i>At Halifax—</i>		
Export.....	9,422,782	
<i>At St. John—</i>		
Export.....	14,312,198	
Export (in bags).....	25,123	
		14,337,321
<i>At Quebec—</i>		
Export.....	2,895,672	
Total.....		143,767,400

GRADES OF CARLOADS INSPECTED

	Montreal	Toronto	Chatham	Total
<i>Wheat—</i>				
No. 1 C.E. White Winter.....	30	70	19	119
No. 2 C.E. White Winter.....	147	264	37	448
No. 3 C.E. White Winter.....	33	38	13	84
No. 4 C.E. White Winter.....	1	7	1	9
No. 5 C.E. White Winter.....	1	1		2
No. 1 C.E. Red Winter.....		2	14	16
No. 2 C.E. Red Winter.....	1	2	22	25
No. 1 C.E. Mixed Winter.....	39	189	285	513
No. 2 C.E. Mixed Winter.....	348	277	801	1,426
No. 3 C.E. Mixed Winter.....	96	35	241	372
No. 4 C.E. Mixed Winter.....	5	2	22	29
No. 5 C.E. Mixed Winter.....			5	5
Tough.....	279	366	1,351	1,996
Damp.....		1	3	4
Smutty.....	25	103	83	211
Sample.....	41	33	9	83
<i>Oats—</i>				
Mixed Feed.....	14	63		77
No. 2 C.E. White.....			2	2
No. 3 C.E. White.....			1	1
Tough.....	21			21
<i>Barley—</i>				
No. 1 Feed.....		32		32
No. 2 Feed.....	2	10		12
No. 3 Feed.....	9	142		151
No. 2 C.E. Six Row.....			17	17
No. 3 C.E. Six Row.....		2	35	37
No. 4 C.E.....			4	4
No. 5 C.E.....			1	1
No. 6 C.E.....			1	1
Tough.....			14	14
Sample.....			1	1
<i>Rye—</i>				
No. 1 C.E.....	7		1	8
No. 2 C.E.....	55	20	110	185
No. 3 C.E.....	15	2	7	24
No. 4 C.E.....	2	1		3
Tough.....	19	6	110	135
Sample.....	3		11	14
<i>Buckwheat—</i>				
No. 2 C.E.....	1		1	2
No. 3 C.E.....		1		1
Tough.....	3	1	8	12
Damp.....		4		4
Sample.....	1		1	2
<i>Corn—</i>				
Extra Dry 1 C.E. Yellow.....			234	234
1 C.E. Yellow.....			367	367
Extra Dry 2 C.E. Yellow.....	2		157	159
2 C.E. Yellow.....	15	1	370	386

GRADES OF CARLOADS INSPECTED—Continued

	Montreal	Toronto	Chatham	Total
<i>Corn—Concluded</i>				
Extra Dry 3 C.E. Yellow.....	1	80	81	
3 C.E. Yellow.....	3	44	191	238
Extra Dry 4 C.E. Yellow.....		1	36	37
4 C.E. Yellow.....	3	3	42	48
Extra Dry 5 C.E. Yellow.....			12	12
5 C.E. Yellow.....	1		16	17
Extra Dry 1 C.E. White.....			24	24
1 C.E. White.....			58	58
Extra Dry 2 C.E. White.....			30	30
2 C.E. White.....			55	55
Extra Dry 3 C.E. White.....			9	9
3 C.E. White.....			5	5
4 C.E. White.....			2	2
Extra Dry 1 C.E. Mixed.....			3	3
1 C.E. Mixed.....	1		3	4
Extra Dry 2 C.E. Mixed.....			2	2
2 C.E. Mixed.....	1		2	3
Extra Dry 3 C.E. Mixed.....			1	1
Extra Dry 5 C.E. Mixed.....			1	1
Tough.....	1	7	400	408
Damp.....		1	260	261
Moist.....	2	1	771	774
Wet.....	1		322	323
Sample.....	7		1	8
<i>Beans—</i>				
1 C.E. Pea Beans.....			421	421
2 C.E. Pea Beans.....			219	219
3 C.E. Pea Beans.....			84	84
4 C.E. Pea Beans.....			13	13
Tough.....			3	3
Sample.....			2	2
<i>Peas—</i>				
2 C.E. White.....	5			5
3 C.E. White.....				
1 C.W. Small Yellow.....	3			3
2 C.W. Small Yellow.....	3			3
3 C.W. Small Yellow.....	4			4
<i>Soy Beans—</i>				
1 Can. Yellow.....		11	97	108
2 Can. Yellow.....		19	35	54
3 Can. Yellow.....			3	3
Tough.....		39	304	343
Damp.....		37	363	400
Moist.....		10	70	80
Wet.....			5	5
<i>Flax—</i>				
No. 1 C.E.....	174	150	16	340
No. 2 C.E.....	43	1	2	46
No. 3 C.E.....	17	1		18
No. 4 C.E.....	1			1
Tough.....	59	22	11	92
Damp.....	4			4
Sample.....	24			24
<i>Mixed Grain—</i>				
No. 3 C.E.....		4		4
No. 3 C.W.....	4			4
<i>Screenings.....</i>				
	11	7		18
Total.....	1,590	2,033	8,337	11,960

APPENDIX No. 6

REPORT OF CHIEF GRAIN WEIGHMASTER

J. RAYNER, Esquire,
Secretary,
Board of Grain Commissioners,
Winnipeg, Manitoba.

DEAR SIR,—I have the honour to submit herewith the following report of the Grain Weighing Branch of the Board for the crop year, 1948-49.

WEIGHING SERVICES

In the Western Division this Branch supplied weighing services to all Public Terminal Elevators, Semi-Public Terminal Elevators and Private Terminal Elevators licensed by the Board for the purpose of weighing all grain received into and shipped out of these elevators, as required under Sections 91 and 123 of the Act. Weighing services were also supplied to elevators operating under Mill Elevator licence. In the Eastern Division weighing services were supplied at elevators operating under Eastern Elevator licences located at the following points: Port McNicoll, Midland, Owen Sound, Goderich, Toronto and Sarnia (this service is supplied on a fee basis). At Montreal, weighing services are available when required on application to the Montreal office.

MAINTENANCE OF EQUIPMENT

At all licensed elevators where weighing services have been supplied, the equipment used for the weighing, receiving, shipping and transferring of grain has been kept in good condition and regularly inspected by officers of this Branch.

INSPECTION OF SCALES

The annual inspection of scales in the following elevators in the Western Division was carried out as required by the Standards Division Regulations respecting Weights and Measures and certificates of verification issued: all Semi-Public and Private Elevators located at Fort William and Port Arthur; Canadian Government Interior Elevators at Moose Jaw, Saskatoon, Edmonton, Calgary and Lethbridge; the National Harbours Board Elevator at Port Churchill and all licensed Semi-Public Terminal Elevators located at Pacific Coast Ports; also the annual inspection of scales in elevators licensed by the Board as Eastern Elevators located at the following ports: Port McNicoll, Midland, Collingwood, Owen Sound, Goderich, Sarnia, Walkerville, Toronto, Kingston, Prescott, Montreal, Sorel, Three Rivers, Quebec, Halifax, Saint John and West Saint John was made and certificates of verification issued according to the Standards Division Regulations. The above inspections were carried out by the Assistant Chief Weighmaster and myself. Special inspections were made of some of the scales when considered necessary.

CAR SHORTAGES

The number of complaints received on the outturns of cars unloading at Terminal Elevators during the crop year was very few. Those complaints received were thoroughly investigated and adjustments made or recommended where it was proven that mishaps in handling had taken place.

VESSEL SHORTAGES

There is enclosed statement showing the average reported shortage of pounds per thousand bushels on the various grain shipments loaded into vessels at Fort William and Port Arthur during the crop year 1948-1949, and unloaded at Canadian and American Ports. The total number of cargoes loaded at the Lakehead was 1,376, at Pacific Coast Ports, 284 and at Port Churchill, 15. Reported shortages on outturns of vessels during the past season continues to vary in amount, according to the ports or elevators at which cargoes discharged. Some unloading elevators continue from season to season to report very satisfactory outturns, which indicates close and careful handling and weighing, while other unloading elevators invariably report serious shortages. Complaints received have been thoroughly investigated and in a few cases when the cause of the shortage was discovered, adjustments were obtained for the shippers. During the 1949 Season of Navigation at certain eastern elevators, the outturns have been very unsatisfactory. On instructions of the Board, two weighing crews were sent from the Lakehead to supervise the weighing of cargoes at certain eastern elevators, after which outturns showed some improvement, however, this problem is still under investigation due to the shortages being more serious than usual. Complaints on the outturns of overseas cargoes received have been thoroughly investigated at the loading ports and reports made to the Board with recommendations.

ANNUAL AUDITS

In the Eastern Division, elevators licensed as Eastern Elevators, the grain in store was weighed over. Statements of the correct quantities of the various grades in store in each of the above elevators, which were weighed over, were prepared by this Branch and forwarded to the Board to permit of the adjustments of the outstanding warehouse receipts in Public and Semi-Public Terminal Elevators and the establishment of overages in Terminal and Eastern Elevators, in accordance with the provisions of Sections 138 and 138A of the Canada Grain Act.

There are attached statements showing the average reported shortage of pounds per thousand bushels on vessel shipments from the Lakehead to Canadian and American Ports; receipts and shipments weighed at the various points; report of cars arriving at destination leaking, not protected by seals, and with defective seals on both Canadian Pacific Railway and Canadian National Railways; also cars reported leaking and with defective seals in Winnipeg railway yards; and statement showing total number of cars of grain weighed at all points and percentages of such cars found to be leaking or with missing and defective seals.

Respectfully submitted,

S. M. CAPON,
Chief Weighmaster.

**GROSS HANDLINGS OF ALL CANADIAN GRAINS DURING THE CROP YEAR 1948-49
IN ELEVATORS AT THE FOLLOWING POINTS:**

RECEIPTS

Point	Wheat	Oats	Barley	Rye	Flaxseed	Canadian Corn	U.S.A. Wheat	U.S.A. Corn	Canadian Miscellaneous
	bus.	bus.	bus.	bus.	bus.	bus.	bus.	bus.	lbs.
Vancouver and New Westminster.....	67,611,212	2,004,717	406,630	178,612	405	4,052			837,500
Victoria.....									
Prince Rupert.....									
Churchill.....	5,715,987								
Calgary.....	350,645	77,470	1,765,043	20,770	1,950			14,936	192,130
Edmonton.....	143,840	270,902	36,434		1,167	8,971		1,057	111,180
Lethbridge.....	8,878		265		67,202		1,852		5,280
Moose Jaw.....	3,182	29,591	64,630	3,335	2,844				42,518,305
Saskatoon.....	14,421	13,312			160,276				14,723,910
North Transcona..	243,029	254,822	151,416	5,280	1,414				9,189,470
	74,091,194	2,650,814	2,424,418	207,997	235,258	13,023	1,852	15,993	67,577,775

SHIPMENTS

Vancouver and New Westminster.....	62,010,001	3,173,395	525,634	133,467	6	3,860			44,481,350
Victoria.....									
Prince Rupert.....									
Churchill.....	5,325,718	24,857							3,812,094
Calgary.....	335,551	123,637	1,820,175	6,542	1,694	7,685			837,525
Edmonton.....	198,311	301,458	60,236		905			1,843	493,825
Lethbridge.....	9,581	429	233		58,475		1,852		366,540
Moose Jaw.....	3,182	31,143	77,902	3,377	2,844				41,731,050
Saskatoon.....	20,646	13,906			186,181				16,196,491
North Transcona..	242,831	264,724	150,649	5,280	1,414				2,159,090
	68,145,821	3,933,549	2,634,829	148,666	251,519	11,545	1,852	1,843	110,077,965

Following are the quantities of the various grains which were weighed into and out of elevators at the following points in the Western Division during the crop year ending July 31, 1949

FORT WILLIAM—PORT ARTHUR

RECEIPTS

Grain	Receipts from West	Transfer Receipts		Total
		Rail	Vessel	
	Gross Bus.	Gross Bus.	Gross Bus.	Gross Bus.
Wheat.....	174,230,560	102,236	669	174,333,465
Oats.....	57,248,875	608,600	24,871	57,882,346
Barley.....	49,113,984	492,477	36,522	49,642,983
Rye.....	15,706,234	51,712		15,757,946
Flaxseed.....	17,587,516	17,702		17,605,218
Canadian Western Corn.....	27	107		134
U.S.A. Corn.....	99,762			
	(Vessel Receipt)	45,106		144,868
Mixed Grain.....	49,523,380 lbs.	5,685,720 lbs.		1,104,182
All Screenings.....	35,448,959 lbs.	10,815,200 lbs.		963,836
Grand Total.....				317,434,978

SHIPMENTS

Grain	Vessel	Rail	Transfer Shipments		Total
			Vessel	Rail	
	Gross Bus.	Gross Bus.	Gross Bus.	Gross Bus.	Gross Bus.
Wheat.....	159,955,153	13,506,636	669	87,969	173,550,427
Oats.....	39,545,464	20,209,804	24,871	585,160	60,365,299
Barley.....	37,869,959	11,322,273	36,522	482,540	49,711,294
Rye.....	12,320,244	286,662		51,762	12,658,668
Flaxseed.....	9,624,601	751,726		42,007	10,418,334
Canadian Western Corn.....		4,251			4,251
Canadian Western Peas.....		72			72
U.S.A. Corn.....		95,647		45,154	140,801
Mixed Grain.....	11,947,610 lbs.	14,933,164 lbs.		4,264,886 lbs.	622,913
Mixed Feed Oats Groats.....		673,000 lbs.			18,694
All Screenings.....	229,506,320 lbs.	163,275,630 lbs.		15,362,700 lbs.	8,503,014
Grand Total.....					315,993,767

TOTAL CARS WEIGHED AT INTERIOR POINTS OTHER THAN GOVERNMENT
ELEVATORS, CROP YEAR 1948-49

Keewatin.....	5,147
Winnipeg.....	16,163
Saskatoon.....	5,078
Moose Jaw.....	4,717
Calgary.....	5,973
Edmonton.....	769
Medicine Hat.....	3,283
Lethbridge.....	55
Churchill.....	3,332
Total.....	44,517

REPORT OF CARS ARRIVING AT DESTINATION, LEAKING, NOT PROTECTED BY
SEALS AND WITH DEFECTIVE SEALS, CROP YEAR 1948-49

CANADIAN PACIFIC RAILWAY

	Leaking Cars	Missing Seals	Defective Seals
Lakehead Elevators.....	16,221	1,721	352
Elevators, excluding Lakehead.....	5,404	788	354
Total.....	21,625	2,509	706

CANADIAN NATIONAL RAILWAYS

	Leaking Cars	Missing Seals	Defective Seals
Lakehead Elevators.....	11,234	692	152
Elevators, excluding Lakehead.....	2,740	286	110
Total.....	13,974	978	262
Total both roads.....	35,599	3,487	968

CARS REPORTED LEAKING AND WITH MISSING AND DEFECTIVE SEALS IN
WINNIPEG RAILWAY YARDS

	Leaking Cars	Missing and Defective Seals
C.P.R. Yards.....	3,624	1,375
C.N.R. Yards.....	1,509	611
Total.....	5,133	1,986

REPORT OF THE AVERAGE REPORTED SHORTAGES OF POUNDS PER 1,000 BUSHEL
ON THE VARIOUS GRAINS LOADED AT FORT WILLIAM AND PORT ARTHUR
AND UNLOADED CANADIAN AND AMERICAN PORTS
CROP YEAR 1948-49

CANADIAN PORTS

Grain	Bushels	Pounds per 1,000 Bushels
Wheat.....	129,897,816-30	Short 39·81
Durum Wheat.....	15,521,535-10	Short 56·41
Oats.....	25,390,306-14	Short 24·24
Barley.....	28,003,138-17	Short 41·81
Rye.....	5,026,122-34	Short 62·41
Flaxseed.....	9,624,601-09	Short 36·10
Mixed Grain.....	9,000,670 lbs.	Short ·790 lbs. per 1,000 lbs.
Sample Grain.....	9,371,910 lbs.	Short ·170 lbs. per 1,000 lbs.
Screenings.....	8,858-0530	Short ·856 lbs. per ton

AMERICAN PORTS

Wheat.....	14,441,265-30	Short 56·87
Oats.....	14,335,340-28	Short 35·99
Barley.....	9,915,645-23	Short 93·01
Rye.....	7,294,121-32	Short 85·72
Sample Grain.....	1,804,570 lbs.	Short ·637 lbs. per 1,000 lbs.
Screenings.....	105,274-0070	

GRAND TOTALS—GRAIN SHIPPED

Wheat.....	144,339,082-00	Short 41·52
Durum Wheat.....	15,521,535-10	Short 56·41
Oats.....	39,725,647-08	Short 28·48
Barley.....	37,918,783-40	Short 55·20
Rye.....	12,320,244-10	Short 76·21
Flaxseed.....	9,624,601-09	Short 36·10
Mixed Grain.....	9,000,670 lbs.	Short ·790 lbs. per 1,000 lbs.
Sample Grain.....	11,176,480 lbs.	Short ·039 lbs. per 1,000 lbs.
Screenings.....	114,132-0060	Short ·066 lbs. per ton

REPORT OF TOTAL NUMBER OF CARS OF GRAIN WEIGHED AT ALL POINTS, AND
ALSO THE PERCENTAGE OF SUCH CARS FOUND TO BE LEAKING OR
WITH DEFECTIVE SEALS, CROP YEAR 1948-1949

Total Number of Cars Weighed.....	248,623
Total Number of Cars Leaking.....	29,169
Percentage of Cars Leaking.....	11·73
Total Number of Cars with Missing and Defective Seals.....	4,455
Percentage of Cars with Missing and Defective Seals.....	1·79

APPENDIX No. 7

REPORT OF GENERAL MANAGER, CANADIAN GOVERNMENT
ELEVATORS

FORT WILLIAM, ONT.,

November 21, 1949.

The Board of Grain Commissioners,
WINNIPEG, MANITOBA.

SIRS,—I beg to submit the following report covering the operations of the Canadian Government Elevators for the crop year 1948-49.

ELEVATORS OPERATED

The interior terminal elevators at Moose Jaw, Saskatoon, Calgary, Edmonton and Lethbridge were operated during the year as public terminal elevators. The elevator at Prince Rupert was licensed as a public terminal, but no grain was handled at that point during the year.

ELEVATOR LEASED

The terminal elevator at Port Arthur continued to be operated by McCabe Grain Co. Ltd. under lease covering a term of five years from August 1, 1944. In accordance with the terms of that lease a renewal has been granted for a further period of five years from August 1, 1949.

TARIFF OF CHARGES

Effective August 1, 1948, the elevation charge on wheat, oats, barley and rye was increased from one-half ($\frac{1}{2}$ c.) to one cent (1c.) per bushel and on flax from one cent (1c.) to two cents (2c.) per bushel.

The storage rate on wheat, oats, barley, rye, flax and corn was increased from one-sixtieth of one cent ($1/60$ c.) to one-thirtieth of one cent ($1/30$ c.) per bushel per day and on mixed grain from one-thirtieth of one cent ($1/30$ c.) to two-thirtieths of one cent ($2/30$ c.) per one hundred (100) pounds per day.

The charges for cleaning flax were increased by one-half cent ($\frac{1}{2}$ c.) per bushel.

All other terms and conditions of the tariff remained unchanged.

VOLUME OF GRAIN HANDLED

Notwithstanding the substantial increase in production of all grains in the Prairie Provinces compared with the 1947 crop, the amount of grain handled at the interior terminals was considerably less than the previous year. Ample storage space was available at the Lakehead and Pacific coast ports permitting unrestricted movement of grain to those positions, without the necessity of storing in transit at the interior terminals.

The following comparative statement shows the amount of grain received at each elevator during the past two crop years:

Elevator	1947-48	1948-49	Decrease	Increase
	Bus.	Bus.	Bus.	Bus.
Moose Jaw.....	240,814	106,914	133,900	.....
Saskatoon.....	749,227	165,468	583,759	.....
Calgary.....	2,816,609	2,227,743	588,866	.....
Edmonton.....	2,500,794	458,078	2,042,716	.....
Lethbridge.....	138,619	73,606	65,013	.....
Prince Rupert.....	Nil	Nil	Nil	.....
	6,446,063	3,031,809	3,414,254	.....

In addition to the above, 40,903,025 pounds of rapeseed was received at Moose Jaw and 13,414,837 pounds at Saskatoon, most of which was shipped out by the end of the crop year. Since that time more than 7,000,000 pounds of rapeseed has been received into Moose Jaw.

Shipments of grain from all elevators amounted to 3,300,288 bushels and stocks in store at July 31, 1949, totalled 382,488 bushels.

MAINTENANCE OF BUILDINGS AND EQUIPMENT

The buildings, equipment and trackage at all points have been maintained in good condition.

The installation of dust control equipment at Port Arthur and Edmonton elevators to reduce risks of fire and explosion and improve working conditions has been completed and firewalls have been constructed between the workhouse and storage annex at Edmonton. Installation of dust control equipment at Calgary is now in progress.

As a further measure of dust control and to reduce fire and explosion hazard two bin aspiration units are being installed at Port Arthur elevator and all open portable spouting is being eliminated and replaced by fixed spouting or enclosed portable spouts.

The boot pits of receiving, shipping and cleaner leg pits at Port Arthur elevator have been repaired and lined with concrete to eliminate seepage of water into the pits, which are below lake level.

A contract has been entered into for repairing and painting of the concrete structure and exterior steel work at Port Arthur elevator, but due to weather conditions this work has been discontinued and will be resumed in the spring.

Extensive repairs were made to the roofs and siding of the shipping galleries at Prince Rupert and nine boat loading spouts were partially renewed.

A portion of the water main serving the Moose Jaw elevator, which has been in use for about forty years has deteriorated, causing interruptions in the water supply. A contract has therefore been entered into with the City of Moose Jaw for the replacement of this portion of the main with new cast iron pipe.

Two thousand treated track ties and 6,300 tie plates were used in maintenance of trackage at the several elevators.

STAFF

Staffs at all points have been maintained at the minimum of requirements for efficient operation of the plants.

Mr. Aldwin Apperley, foreman at the Calgary elevator, retired on account of ill-health. Mr. Apperley entered the service in 1916 and has filled the position of foreman since 1918 in a very efficient manner.

FINANCIAL RESULTS OF OPERATIONS

Earnings from all sources for the fiscal year ended March 31, 1949, totalled \$349,760.07, an increase of \$60,474.17 over the previous year. The principal increases were in storage, \$77,236.90, elevation \$11,077.89, and chopping and sacking, \$7,463.90. Decreases were recorded in earnings from drying, \$19,027.18, and sales of screenings, \$16,487.25.

Expenditures for the fiscal year amounted to \$572,325.18, an increase of \$151,756.38, due principally to the increase in cost of repairs at Port Arthur elevator, \$118,452.00, and increases in salaries and wages, \$57,247.15, on account of general revision of salary rates throughout the service and statutory increases.

The net result of operations was a deficit of \$222,565.11, an increase of \$91,282.21, which is more than accounted for by the two items referred to in the preceding paragraph.

Following the practice of former years, no provision is made in the financial statements to cover depreciation of plants and equipment, expenditures for maintenance of which are included in operating costs.

Respectfully submitted,

R. HETHERINGTON,

General Manager.

APPENDIX No. 8

REPORT OF THE CHIEF CHEMIST

WINNIPEG, MAN.,

December 1, 1949.

Board of Grain Commissioners,
WINNIPEG, MANITOBA.

SIRS,—I have the honour to submit the following summary report on the Grain Research Laboratory for the year 1949.

Although all 1949 crops were early, the laboratory had considerable difficulty in obtaining adequate information for the Western Committee on Grain Standards since the Committee met on September 29, a full two weeks earlier than usual. At that time, it appeared that the wheat crop would be essentially similar in protein content to the 1948 crop. Data subsequently collected now suggest an average protein content of 13.4 per cent or possibly 13.3 per cent as compared with 13.6 per cent for 1948 and the same value for the long-term average. With a low-protein area in southern Alberta where the level is usually high, Vancouver shipments of spring wheat are likely to continue to be low in protein throughout the current crop year. Aside from below-average protein content and the concurrent reduction in baking strength, the 1949 crop of hard red spring wheat is satisfactory.

All other crops are also slightly lower in protein content this year. The colour of macaroni made from the current durum crop is generally excellent, but the doughs are a little softer than usual. The barley crop is good with a high percentage entering the malting grades. Low protein content in malting barley is advantageous and the 1949 level, 11.3 per cent for the first quarter, should prove very satisfactory. The current flax crop is estimated to be slightly lower in quality than that of 1948; both oil content and iodine value of the oil are lower. Bulletins on these crops were prepared and distributed somewhat earlier than usual.

The laboratory has continued to collaborate closely with the Inspection Branch and to render all possible assistance in the preparation of standard and export standard samples and in the solution of various grading problems that arise from time to time. All moisture testing equipment in inspection offices from Montreal to Vancouver was examined during the year. Satisfactory moisture results are being obtained at all points. Collaborative work with other institutions, especially with the Department of Agriculture, the National Research Council and the University of Manitoba, is being continued with advantage to all concerned.

Routine investigations of the laboratory are under continuous review. Various changes in both laboratory technique and in methods of summarizing and publishing data are being made. These are designed to improve our records of crop quality and to make the information more useful to other persons.

The research programme continues to develop steadily. In the bread wheat section, good progress has been made in two studies reported last year. These relate to the measurement of rate of diffusion of gases through dough and studies of interactions between proteins and carbohydrates. A scientific paper on the latter investigation has already been published. A further project involving a kinetic approach to chemical studies of improver action in bread

doughs has been started. In the durum laboratory, the fractionation and identification of semolina pigments and the kinetic study of the disappearance of pigments during macaroni processing have been essentially completed. Two papers on this research are in press.

The barley section is continuing studies of compounds responsible for the viscosity of wort. The partial isolation of a polysaccharide "gum" was reported last year. Gums of this type have now been isolated from barley, malt and wort. The difficult task of elucidating their constitution is in progress. Two sugars, arabinose and glucose, have been definitely established as constituents of the barley gum. The wort gum also contains xylose and possibly a uronic acid. A parallel study of the degradation of these polysaccharides by the naturally occurring enzymes in malt and other enzyme preparations has been initiated.

Three papers relating to electrical determinations of moisture in wheat have been published during the year. Further studies on this subject are planned or are in progress. A paper on the nitrogen content of single kernels of wheat, which serves to map the variations occurring within spikelets, heads and plants, is also in press. This study throws additional light on the fundamental causes of variations in protein content among shipments of Canadian wheat.

Considerable exploratory research has been undertaken in the analytical section. The aim is to discover a promising line of attack on chemical differences between the proteins in wheat and other cereals; the proteins extracted from wheat form a rubbery mass called gluten, whereas a similar cohesive product is not obtained from other cereals. Interesting results have been obtained in recent weeks, and it appears that a promising line of investigation is gradually being developed.

Two members of the professional staff obtained Ph.D. degrees during the year: Dr. W. O. S. Meredith, who is in charge of the barley section, completed his studies at the Universities of Minnesota and Manitoba; Dr. G. N. Irvine, who is in charge of the durum section, received the Ph.D. degree from McGill University. Five members of the professional staff are now doctors, and three more are studying for a doctor's degree. Mr. H. E. Rasmussen resigned recently to accept a position with the Halross Instrument Corporation Limited, Winnipeg. His outstanding abilities in design and instrument making, and his all-round skill in a wide range of techniques, will be missed. He was responsible for the design and construction of much of the most up-to-date equipment in the laboratory. But over the past several years he also trained several junior men in a variety of techniques, so that he himself made provision for filling the gap left by his resignation.

A policy of making the facilities of the laboratory available for post-graduate studies was inaugurated this year when the University of Manitoba accredited the laboratory for that purpose. One student, or possibly two, can be accommodated each year. Mr. H. P. Schreiber was the first to take advantage of this policy and will submit an M.Sc. thesis next spring based on research carried out under the direction of Dr. Hlynka.

A detailed report of the work of the Grain Research Laboratory is in preparation. In accordance with past practice, it is recommended that this report be published separately to put on record data on the quality of the more important Canadian grain crops and progress reports on laboratory investigations.

Respectfully submitted,

J. ANSEL ANDERSON,

Chief Chemist.

APPENDIX No. 9

STATEMENT OF REVENUE AND EXPENDITURE FOR
FISCAL YEAR ENDING MARCH 31, 1949

(a) WINNIPEG—

Revenue

Licence Fees.....	29,041 00	
Previous Year's Expenditures.....	20 00	
		29,061 00
Registration Fees.....	11,694 60	
Cancellation Fees.....	11,197 20	
		22,891 80
Appeal Fees.....		1,206 00
Inspection Fees.....	173,188 07	
Overtime.....	468 00	
Cargo Certificate Splits.....	164 10	
Samples Sold.....	12,961 65	
Sampling Fees.....	2,369 30	
Refund Express Charges.....	2,335 50	
Previous Year's Expenditures.....	33 75	
		191,520 37
Weighing Fees.....	15,768 50	
Overtime.....	136 50	
Condition Reports.....	222 25	
		16,127 25
		260,806 42

*Expenditure**Board and Executive Offices*

Salaries—		
Commission and Secretary.....	40,734 92	
Secretary's Office.....	21,872 84	
Rent.....	5,356 13	
Travelling Expenses.....	4,756 40	
General Expenses.....	4,322 19	
Printing and Stationery.....	2,012 78	
		79,055 26

Licence and Bonding

Salaries.....	14,820 97	
Rent.....	1,380 00	
General Expenses.....	671 28	
Printing and Stationery.....	2,605 50	
		19,477 75

Grain Research Laboratory

Salaries.....	79,997 33	
Rent.....	11,894 60	
Travelling Expenses.....	1,815 32	
General Expenses.....	14,656 94	
Printing and Stationery.....	3,293 91	
		111,658 10

Registration

Salaries.....	16,615 00	
Rent.....	1,699 12	
General Expenses.....	544 36	
Printing and Stationery.....	649 94	
		19,508 42

Accounts

Salaries.....	10,585 16	
General Expenses.....	740 73	
Printing and Stationery.....	337 41	
		11,663 30

Inspection Branch

Salaries.....	377,782 99	
Rent.....	19,459 55	
Travelling Expenses.....	1,631 68	
General Expenses.....	20,648 84	
Printing and Stationery.....	7,389 95	
		426,913 01

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1949—Continued

(a) WINNIPEG—Concluded

Weighing

Salaries.....	36,684 56	
Rent.....	1,591 91	
General Expenses.....	433 20	
Printing and Stationery.....	166 47	
		38,876 14

Grain Appeal Tribunal

Salaries.....	4,830 00	
Rent.....	448 76	
General Expenses.....	894 33	
		6,173 09

Grain Standard Committee

Travelling Expenses.....	1,727 85	
General Expenses.....	1,340 00	
		3,067 85
		716,392 92

(b) CHURCHILL—

Revenue

Inspection Fees.....	8,511 20	
Overtime.....	560 70	
		9,071 90
Weighing Fees.....	8,511 28	
Overtime.....	410 10	
		8,921 38
		17,993 28

*Expenditure**Inspection Branch*

Salaries.....	5,636 14	
Travelling Expenses.....	2,560 05	
General Expenses.....	15 12	
		8,211 31

Weighing Branch

Salaries.....	2,982 34	
Travelling Expenses.....	1,485 60	
General Expenses.....	8 80	
		4,476 74
		12,688 05

(c) KEEWATIN—

Revenue

Weighing Fees.....	5,847 57	
		5,847 57

Expenditure

Salaries—Weighing Branch.....	5,869 99	
General Expenses—Weighing.....	50 33	
		5,920 32
		5,920 32

(d) SASKATOON—

Revenue

Inspection Fees.....	6,152 41	
Overtime.....	355 43	
Samples Sold.....	664 04	
		7,171 88
Weighing Fees.....	7,926 26	
Overtime.....	257 85	
		8,184 11
		15,355 99

*Expenditure**Assistant Commissioner's Office*

Salaries.....	2,815 00	
Travelling Expenses.....	44 15	
General Expenses.....	103 45	
Printing and Stationery.....	1 43	
		2,964 03

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1949—*Continued*

(d) SASKATOON—*Concluded**Inspection Branch*

Salaries.....	16,410 63	
Rent.....	877 00	
Travelling Expenses.....	150 54	
General Expenses.....	767 28	
Printing and Stationery.....	25 22	
		18,230 67

Weighing Branch

Salaries.....	13,126 06	
Travelling Expenses.....	257 65	
General Expenses.....	57 13	
		13,440 84
		34,635 54

(e) MOOSE JAW—

Revenue

Inspection Fees.....	6,500 16	
Overtime.....	1,595 75	
Samples Sold.....	840 31	
Sampling Fees.....	102 00	
		9,038 22
Weighing Fees.....	6,761 16	
Overtime.....	1,001 10	
		7,762 26
		16,800 48

*Expenditure**Inspection Branch*

Salaries.....	20,174 77	
Rent.....	1,125 00	
Travelling Expenses.....	589 72	
General Expenses.....	1,142 15	
Printing and Stationery.....	425 40	
		23,457 04

Weighing Branch

Salaries.....	13,227 60	
General Expenses.....	53 78	
		13,281 38
		36,738 42

(f) MEDICINE HAT—

Revenue

Inspection Fees.....	2,770 50	
Samples Sold.....	341 44	
		3,111 94
Weighing Fees.....		3,379 00
		6,490 94

*Expenditure**Inspection Branch*

Salaries.....	2,502 17	
Rent.....	345 00	
General Expenses.....	300 33	
Printing and Stationery.....	60 89	
		3,208 39

Weighing Branch

Salaries.....	3,479 00	
General Expenses.....	7 80	
		3,486 80
		6,695 19

(g) LETHBRIDGE—

Revenue

Inspection Fees.....	505 56	
Weighing Fees.....	210 56	
		716 12

*Expenditure**Inspection Branch*

Salaries.....	5,220 00	
Travelling Expenses.....	180 47	
General Expenses.....	485 05	
Printing and Stationery.....	27 58	
		5,913 10

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1949—Continued

(g) LETHBRIDGE—Concluded

Expenditure—Concluded

Weighing Branch

Salaries.....	2,970 00		
Travelling Expenses.....	145 51		
General Expenses.....	5 00		
		3,120 51	9,033 61

(h) CALGARY—

Revenue

Inspection Fees.....	27,567 54		
Samples Sold.....	1,780 38		
Sampling Fees.....	2 00		
Express Charges.....	269 75		
		29,619 67	
Weighing Fees.....	12,856 64		
Overtime.....	927 60		
Sundries.....	4 00		
		13,788 24	
Appeal Fees.....		963 00	44,370 91

Expenditure

Assistant Commissioner's Office

Salaries.....	9,690 00		
Rent.....	828 00		
Travelling Expenses.....	2,050 83		
General Expenses.....	321 28		
Printing and Stationery.....	1 50		
		12,891 61	

Inspection Branch

Salaries.....	55,129 52		
Rent.....	3,001 00		
Travelling Expenses.....	531 20		
General Expenses.....	2,770 36		
Printing and Stationery.....	959 86		
		62,391 94	

Weighing Branch

Salaries.....	26,999 60		
Rent.....	314 04		
Travelling Expenses.....	107 42		
General Expenses.....	306 30		
		27,727 36	

Grain Appeal Board

Salaries.....	4,570 02		
Rent.....	420 00		
General Expenses.....	736 25		
Printing and Stationery.....	4 47		
		5,730 74	108,741 65

(i) EDMONTON—

Revenue

Inspection Fees.....	27,013 45		
Samples Sold.....	1,471 36		
Express Charges.....	291 25		
		28,776 06	
Weighing Fees.....	4,570 48		
Overtime.....	39 00		
		4,609 48	
Appeal Fees.....		1,065 00	34,450 54

Expenditure

Inspection Branch

Salaries.....	56,785 25		
Rent.....	4,494 00		
Travelling Expenses.....	102 20		
General Expenses.....	2,517 45		
Printing and Stationery.....	886 06		
		64,784 96	

Weighing Branch

Salaries.....	13,149 00		
General Expenses.....	270 49		
		13,419 49	

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1949—*Continued*

(i) EDMONTON—*Concluded**Expenditure—Concluded**Grain Appeal Tribunal*

Salaries.....	5,326 02	
Rent.....	600 00	
General Expenses.....	790 66	
Printing and Stationery.....	2 48	
		6,719 16

84,923 61

(j) VANCOUVER—

Revenue

Inspection Fees.....	53,655 24	
Overtime.....	746 95	
Samples Sold.....	3,299 95	
		57,702 14
Weighing Fees.....	83,883 14	
Overtime.....	1,183 80	
		85,066 94
Registration Fees.....	1,903 60	
Cancellation Fees.....	2,039 11	
		3,942 71

146,711 79

*Expenditure**Inspection Branch*

Salaries.....	95,707 52	
Rent.....	5,280 00	
General Expenses.....	2,489 59	
Printing and Stationery.....	873 01	
		104,350 12

Weighing Branch

Salaries.....	89,234 63	
Rent.....	2,055 00	
Travelling Expenses.....	35 64	
General Expenses.....	1,715 82	
Printing and Stationery.....	91 92	
		93,133 01

Registration Branch

Salaries.....	5,265 00	
Rent.....	1,365 00	
Travelling Expenses.....	1,253 84	
General Expenses.....	199 25	
Printing and Stationery.....	32 78	
		8,115 87

205,599 00

(k) FORT WILLIAM—

Revenue

Inspection Fees.....	256,600 45	
Overtime.....	8,877 20	
Cargo Certificate Splits.....	2 40	
Sampling Fees.....	17,844 07	
		283,324 12
Weighing Fees.....	417,649 05	
Overtime.....	6,425 70	
		424,074 75
Statistical— Refund Previous Year's Expenditures.....		16 30

707,415 17

*Expenditure**Assistant Commissioner's Office*

Salaries.....	9,450 00	
Rent.....	624 00	
General Expenses.....	223 93	
		10,297 93

Inspection Branch

Salaries.....	436,015 17	
Rent.....	14,178 72	
Travelling Expenses.....	3,924 55	
General Expenses.....	12,448 49	
Printing and Stationery.....	4,670 31	
		471,237 24

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1949—Continued

(k) FORT WILLIAM—Concluded

Expenditure—Concluded

Weighing Branch

Salaries.....	315,124 98	
Rent.....	2,728 08	
Travelling Expenses.....	13,447 82	
General Expenses.....	3,927 79	
Printing and Stationery.....	2,536 96	
		337,765 63

Statistical Branch

Salaries.....	52,511 30	
Rent.....	4,599 96	
Travelling Expenses.....	568 61	
General Expenses.....	6,342 77	
Printing and Stationery.....	3,971 84	
		67,994 48

887,295 28

(l) TORONTO—

Revenue

Inspection Fees.....	2,297 27	
Overtime.....	30 00	
Cargo Certificate Splits.....	0 40	
Samples Sold.....	85 40	
Sampling Fees.....	10 00	
		2,423 07

2,423 07

Expenditure

Inspection Branch

Salaries.....	7,430 64	
Rent.....	600 00	
Travelling Expenses.....	203 88	
General Expenses.....	335 12	
		8,569 64

Grain Appeal Tribunal

General Expenses.....		4 35
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8,573 99

(m) MONTREAL—

Revenue

Inspection Fees.....	7,603 44	
Overtime.....	576 70	
Cargo Certificate Splits.....	448 90	
Samples Sold.....	460 06	
Sampling Fees.....	2,776 67	
		11,865 77
Weighing Fees.....		6 00
Registration Fees.....	3,053 15	
Cancellation Fees.....	3,101 52	
		6,154 67

18,026 44

Expenditure

Inspection Branch

Salaries.....	49,840 85	
Rent.....	2,424 96	
Travelling Expenses.....	3,967 90	
General Expenses.....	1,222 64	
Printing and Stationery.....	331 70	
		57,788 05

Weighing Branch

Salaries.....	2,850 00	
Rent.....	525 00	
Travelling Expenses.....	52 30	
General Expenses.....	151 81	
Printing and Stationery.....	347 56	
		3,926 67

Registration Branch

Salaries.....	7,155 00	
Rent.....	600 00	
Travelling Expenses.....	172 00	
General Expenses.....	236 53	
Printing and Stationery.....	94 85	
		8,258 38

69,973 10

STATEMENT OF REVENUE AND EXPENDITURE FOR FISCAL YEAR
ENDING MARCH 31, 1949—Concluded

(n) CHATHAM—

<i>Revenue</i>			
Inspection Fees.....	6,374	34	
Overtime.....	89	40	
Samples Sold.....	807	60	
Sampling Fees.....	12,076	16	
			19,347 50
			19,347 50
<i>Expenditure</i>			
<i>Inspection Branch</i>			
Salaries.....	17,707	42	
Rent.....	516	00	
Travelling Expenses.....	10,992	30	
General Expenses.....	1,373	19	
Printing and Stationery.....	455	23	
			31,044 14
			31,044 14

GRAIN COMMISSION

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SUMMARY OF OPERATION BY BRANCHES

REVENUE

	Inspection	Weighing	Appeal Boards	Registration	Licence and Bonding	Statistical	Accounting	Research Laboratory	Grain Standards	Administration	Total
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Fees.....	578,739 63	567,369 64	3,234 00	32,989 18	29,041 00						1,211,373 45
Overtime.....	13,300 13	10,381 65									23,681 78
Sampling.....	17,336 13										17,336 13
Express Charges.....	2,896 50										2,896 50
Cargo Splits.....	615 80										615 80
Samples Sold.....	40,556 26										40,556 26
Condition Reports.....		222 25									222 25
Sundries.....		4 00									4 00
Previous Years' Expenditure.....	33 75				20 00	16 30					70 05
Total.....	653,478 20	577,977 54	3,234 00	32,989 18	29,061 00	16 30					1,296,756 22

EXPENDITURE

	Salaries.....	Rents.....	Travel.....	Expenses.....	Printing and Stationery	Total.....
	1,146,343 07	52,301 23	24,834 49	46,515 61	16,105 21	1,286,099 61
	525,697 76	7,214 03	15,531 94	6,988 25	3,142 91	558,574 89
	14,726 04	1,468 76	2,425 59	6 95	18,627 34	18,627 34
	29,035 00	3,664 12	1,425 84	980 14	777 57	35,882 67
	14,820 97	1,380 00		671 28	2,605 50	19,477 75
	52,511 30	4,599 96	588 61	6,342 77	3,971 84	67,994 48
	10,585 16			740 73	337 41	11,663 30
	79,997 33	11,894 60	1,815 32	14,656 94	3,293 91	111,658 10
	84,562 76	6,808 13	1,727 85	4,970 85	2,015 71	105,208 83
	1,958,279 39	89,330 83	52,755 43	85,632 16	32,257 01	2,218,254 82

Total Revenue..... 1,296,756 22

Total Expenditure..... 2,218,254 82

Net Deficit..... 921,498 60

GRAIN COMMISSION

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EXPENDITURE

Winnipeg.....	426,913 01	38,876 14	6,173 09	19,508 42	19,477 75	11,663 30	111,658 10	3,067 85	79,055 26	716,392 92
Churchill.....	8,211 31	4,476 74	.....	.....	.....	.....	.....	.....	.....	.....	12,688 05
Keewatin.....	.....	5,920 32	.....	.....	.....	.....	.....	.....	.....	.....	5,920 32
Saskatoon.....	18,230 67	13,440 84	.....	.....	.....	.....	.....	.....	.....	2,964 03	34,635 54
Moose Jaw.....	23,457 04	13,281 38	.....	.....	.....	.....	.....	.....	.....	.....	36,738 42
Medicine Hat.....	3,208 39	3,486 80	.....	.....	.....	.....	.....	.....	.....	.....	6,665 19
Lethbridge.....	5,913 10	3,120 51	.....	.....	.....	.....	.....	.....	.....	.....	9,033 61
Calgary.....	62,391 94	27,727 36	5,730 74	.....	.....	.....	.....	.....	.....	12,891 61	108,741 65
Edmonton.....	64,784 96	13,419 49	6,719 16	.....	.....	.....	.....	.....	.....	.....	84,923 61
Vancouver.....	104,350 12	93,133 01	.....	8,115 87	.....	.....	.....	.....	.....	.....	205,599 00
Fort William.....	471,237 24	337,765 63	.....	.....	.....	67,994 48	.....	.....	.....	10,297 93	887,295 28
Toronto.....	8,569 64	.....	4 35	.....	.....	.....	.....	.....	.....	.....	8,573 99
Montreal.....	57,788 05	3,926 67	.....	8,258 38	.....	.....	.....	.....	.....	.....	69,973 10
Chatham.....	31,044 14	.....	.....	.....	.....	.....	.....	.....	.....	.....	31,044 14
Total.....	1,286,099 61	558,574 89	18,627 34	35,882 67	19,477 75	67,994 48	11,663 30	111,658 10	3,067 85	105,208 83	2,218,254 82

Total Revenue..... 1,296,756 22

Total Expenditure..... 2,218,254 82

Net Deficit..... 921,498 60

APPENDIX No. 10

BOARD OF GRAIN COMMISSIONERS FOR CANADA
REGULATIONS IN FORCE DECEMBER 31, 1949

Regulation No.	Subject
1	Registration and Cancellation of Terminal Elevator Warehouse Receipts.
2	Registration and Cancellation of Eastern Warehouse Receipts and Transfer Receipts.
3	Construction of Elevators.
4	Cleaning Grain and Bins, Terminal Elevators.
5	Off Grades for Western Grain.
6	Off Grades for Eastern Grain.
7	Grades of Screenings.
8	Inspection of Samples Taken other than at an Inspection Point.
9	Appeals from Inspection Officers to Grain Appeal Tribunals.
10	Delivery of Grain to Ocean Vessels at Montreal, Quebec.
11	Delivery of Grain to Ocean Vessels at West Saint John, N.B.
12	Delivery of Grain to Ocean Vessels at East Saint John, N.B.
13	Delivery of Grain to Ocean Vessels at Halifax, N.S.
14	Enforcement of Lien by Sale of Grain.
15	Drying of Grain.
16	Fees.
17	Records, Reports and Returns.
18	Procedure, Country Elevators.
19	Receipt for Grain Delivered to Private Country Elevators and Mill Elevators.
20	Maximum Tariff of Charges, Eastern Elevators.
21	Maximum Tariff of Charges, and Shrinkage Allowance, Country Elevators.
22	Maximum Tariff of Charges, Terminal Elevators.
23	Applications for Licences and Terms and Conditions under which Licences are Issued.

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